

10/827, 368

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 1840

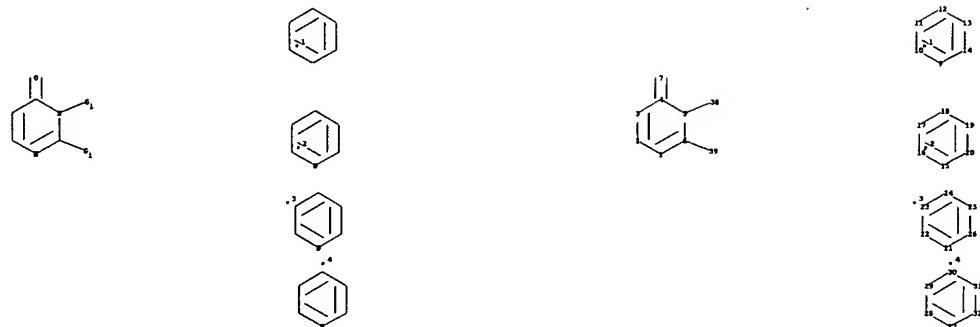
L1 SCREEN CREATED

=> screen 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L2 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10827368.str



chain nodes :

7 38 39

ring nodes :

1 2 3 4 5 6 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25  
26 27 28 29 30 31 32

chain bonds :

4-7 5-38 6-39

ring bonds :

10/827,368

1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14 15-16 15-20  
16-17 17-18 18-19 19-20 21-22 21-26 22-23 23-24 24-25 25-26 27-28 27-32  
28-29 29-30 30-31 31-32  
exact/norm bonds :  
1-2 1-6 2-3 3-4 4-5 4-7 5-6 5-38 6-39  
normalized bonds :  
9-10 9-14 10-11 11-12 12-13 13-14 15-16 15-20 16-17 17-18 18-19 19-20  
21-22 21-26 22-23 23-24 24-25 25-26 27-28 27-32 28-29 29-30 30-31 31-32  
isolated ring systems :  
containing 1 :

G1:[\*1],[\*2],[\*3],[\*4]

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 9:Atom 10:Atom 11:Atom  
12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom  
21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom  
30:Atom 31:Atom 32:Atom 38:CLASS 39:CLASS

L3 STRUCTURE UPLOADED

=> que L3 AND L1 NOT L2

L4 QUE L3 AND L1 NOT L2

=> d 14

L4 HAS NO ANSWERS

L1 SCR 1840

L2 SCR 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L3 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

L4 QUE L3 AND L1 NOT L2

=> s 14 sss sam

SAMPLE SEARCH INITIATED 15:24:01 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 474 TO ITERATE

100.0% PROCESSED 474 ITERATIONS 25 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 8174 TO 10786

PROJECTED ANSWERS: 200 TO 800

L5 25 SEA SSS SAM L3 AND L1 NOT L2

=> => s 14 sss ful

FULL SEARCH INITIATED 15:25:13 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 8686 TO ITERATE

100.0% PROCESSED 8686 ITERATIONS  
SEARCH TIME: 00.00.01

425 ANSWERS

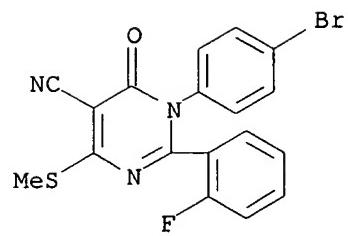
L6 425 SEA SSS FUL L3 AND L1 NOT L2

=> => s 16  
L7 67 L6

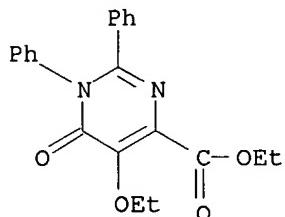
=> d 17 1-67 bib,ab,hitstr

L7 ANSWER 1 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2006:411890 CAPLUS  
 DN 144:450725  
 TI Preparation of pyrazolopyrimidinones and analogs, and their compositions as cannabinoid CB1 receptor inhibitors  
 IN Liu, Hong; He, Xiaohui; Choi, Ha-Soon; Yang, Kunyong; Woodmansee, David; Wang, Zhicheng; Ellis, David Archer; Wu, Baogen; He, Yun; Nguyen, Truc Ngoc  
 PA Irm LLC, Bermuda  
 SO PCT Int. Appl., 259 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

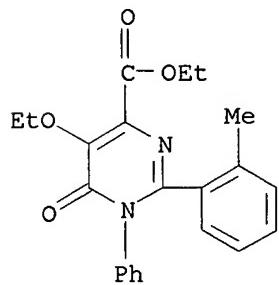
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006047516	A2	20060504	WO 2005-US38361	20051026
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
PRAI	US 2004-622508P	P	20041026		
	US 2005-672670P	P	20050418		
OS	MARPAT 144:450725				
AB	Title compds. I [Y = O, NH and derivs., S; R1 = (un)substituted Ph, heteroaryl, cycloalkyl, benzyl; R2 = (un)substituted Ph, OPh, heterocycloalkyl, heteroaryl; R3 = H, halo, OH, CN, etc.; R4 = (un)substituted hetero/aryl, alkyl, etc.; and their pharmaceutically acceptable salts, hydrates, solvates and isomers; with the exception of certain compds.] were prepared as selective cannabinoid CB1 receptor inhibitors. Thus, II was prepared, in 3 steps, starting from 5-amino-1-phenyl-1H-pyrazole-4-carboxylic acid Et ester and 2,4-dichlorobenzoyl chloride. Preferred compds. I showed a 100 fold selectivity for CB1 over CB2 receptor. Pharmaceutical compns. comprising I are useful for preventing and treating diseases or disorders associated with the activity of CB1 receptor, e.g. metabolic disorders.				
IT	885619-00-1P, 1-(4-Bromophenyl)-2-(2-fluorophenyl)-4-methylsulfanyl-6-oxo-1,6-dihydropyrimidine-5-carbonitrile				
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
	(intermediate; preparation of pyrazolopyrimidinones and analogs as CB1 inhibitors)				
RN	885619-00-1 CAPLUS				
CN	5-Pyrimidinecarbonitrile, 1-(4-bromophenyl)-2-(2-fluorophenyl)-1,6-dihydro-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)				



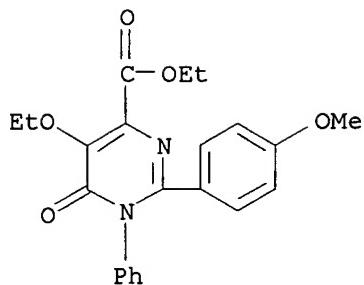
L7 ANSWER 2 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2006:406715 CAPLUS  
 DN 144:468112  
 TI Suzuki coupling at the 2-position of densely functionalized pyrimidones  
 AU Colarusso, Stefania; Girardin, Melina; Conte, Immacolata; Narjes, Frank  
 CS IRBM-Merck Research Laboratories Rome, Rome, 00040, Italy  
 SO Synthesis (2006), (8), 1343-1350  
 CODEN: SYNTBF; ISSN: 0039-7881  
 PB Georg Thieme Verlag  
 DT Journal  
 LA English  
 AB A variety of Et 1-substituted 2-aryl-5-ethoxy-6-oxo-1,6-dihydropyrimidine-4-carboxylates were synthesized by efficient thermal or microwave-promoted Suzuki coupling of 2-chloro-N1-substituted precursors.  
 IT 886221-68-7P 886221-69-8P 886221-70-1P  
 886221-71-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of 2-aryldihydropyrimidinecarboxylates via palladium catalyzed thermal or microwave-promoted Suzuki coupling of chloro-substituted pyrimidinone intermediate with arylboronic acids)  
 RN 886221-68-7 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-ethoxy-1,6-dihydro-6-oxo-1,2-diphenyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 886221-69-8 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-ethoxy-1,6-dihydro-2-(2-methylphenyl)-6-oxo-1-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

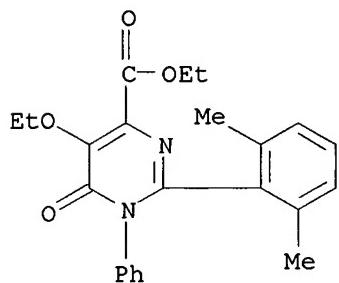


RN 886221-70-1 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 5-ethoxy-1,6-dihydro-2-(4-methoxyphenyl)-6-oxo-1-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



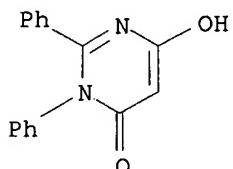
RN 886221-71-2 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 2-(2,6-dimethylphenyl)-5-ethoxy-1,6-dihydro-6-oxo-1-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:358496 CAPLUS  
Correction of: 2005:481376  
DN 145:123924  
Correction of: 142:481543  
TI Thiocarbonic acids and derivatives  
AU Sato, S.; Furukawa, N.  
CS Foundation for Advancement of International Science, Tsukuba, Ibaraki,  
305-0062, Japan  
SO Science of Synthesis (2005), 18, 821-968  
CODEN: SSCYJ9  
PB Georg Thieme Verlag  
DT Journal; General Review  
LA English  
AB A review of the preparation and synthetic applications of thiocarbonic acids  
and their derivs.  
IT 91520-57-9  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(review prepn and synthetic applications of thiocarbonic acids and  
derivs. thereof)  
RN 91520-57-9 CAPLUS  
CN 4 (3H)-Pyrimidinone, 6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 4 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:1215763 CAPLUS  
 DN 143:477975  
 TI Preparation of pyrimidinones and quinazolinones as calcilytic compounds  
 IN Luengo, Juan I.; Marquis, Robert W., Jr.; Xie, Ren; Yamashita, Dennis S.  
 PA Smithkline Beecham Corporation, USA  
 SO PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005108376	A1	20051117	WO 2005-US15224	20050503
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2004-568585P P 20040506

OS MARPAT 143:477975

AB The title compds. I [R1, R2 = H, halo, CN, etc.; or R1 and R2 may be bonded together to form a carbocyclic, heterocyclic, aryl or heteroaryl ring; R3 = aryl or heteroaryl group which may have 1-5 substituents each selected from H, halo, CN, CF<sub>3</sub>, etc.; R4 = aryl which may have 1-3 substituents consisting of H, halo, CN, CF<sub>3</sub>, etc.; X = O or S], useful for treating a disease or disorder characterized by an abnormal bone or mineral homeostasis, were prepared E.g., a multi-step synthesis of 2-(2-hydroxyphenyl)-3-(4-isopropylphenyl)-5,6,7,8-tetrahydro-3H-quinazolin-4-one, starting from Et 2-aminocyclohex-1-enecarboxylate and 2-benzyloxybenzoyl chloride, was given. The methods for treating diseases or disorders such as osteosarcoma, periodontal disease, fracture healing, osteoarthritis, joint replacement, rheumatoid arthritis, Paget's disease, humoral hypercalcemia, malignancy and osteoporosis by administering the compound I alone or in combination with anti-resorptive agents are disclosed.

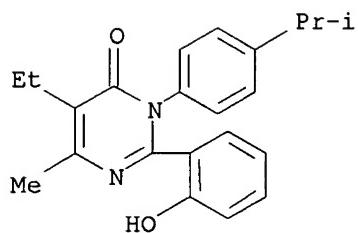
IT 869564-58-9P 869564-60-3P 869564-62-5P  
 869564-64-7P 869564-66-9P 869564-68-1P  
 869564-70-5P 869564-72-7P 869564-74-9P  
 869564-76-1P 869564-98-7P 869564-99-8P  
 869565-00-4P 869565-01-5P 869565-02-6P  
 869565-03-7P 869565-04-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

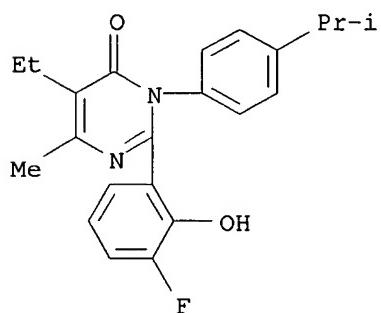
(preparation of pyrimidinones and quinazolinones as calcilytic compds.)

RN 869564-58-9 CAPLUS

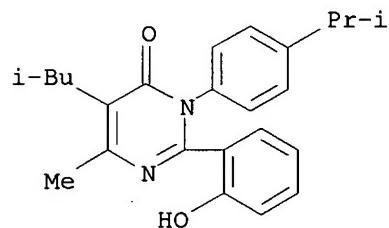
CN 4(3H)-Pyrimidinone, 5-ethyl-2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



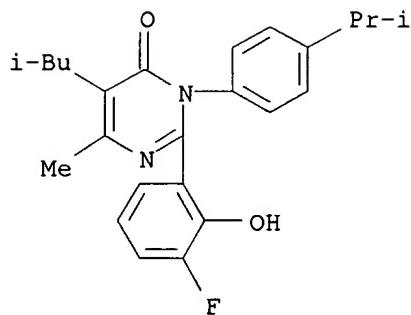
RN 869564-60-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-ethyl-2-(3-fluoro-2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 869564-62-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-(2-methylpropyl)- (9CI) (CA INDEX NAME)

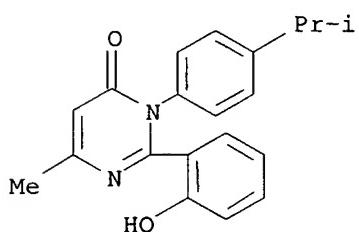


RN 869564-64-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2-(3-fluoro-2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-(2-methylpropyl)- (9CI) (CA INDEX NAME)



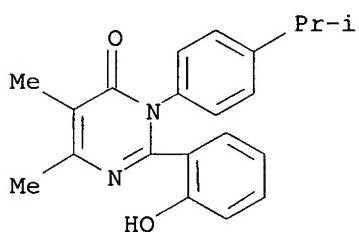
RN 869564-66-9 CAPLUS

CN 4 (3H)-Pyrimidinone, 2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



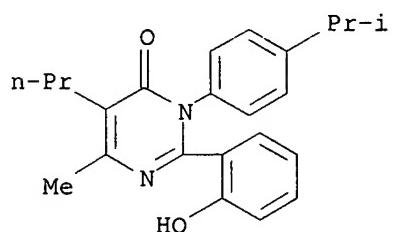
RN 869564-68-1 CAPLUS

CN 4 (3H)-Pyrimidinone, 2-(2-hydroxyphenyl)-5,6-dimethyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



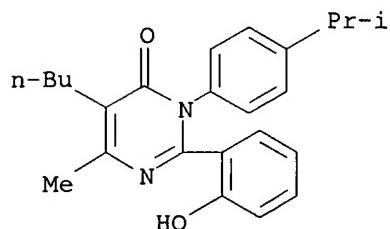
RN 869564-70-5 CAPLUS

CN 4 (3H)-Pyrimidinone, 2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-propyl- (9CI) (CA INDEX NAME)



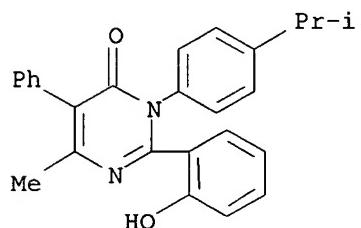
RN 869564-72-7 CAPLUS

CN 4 (3H)-Pyrimidinone, 5-butyl-2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



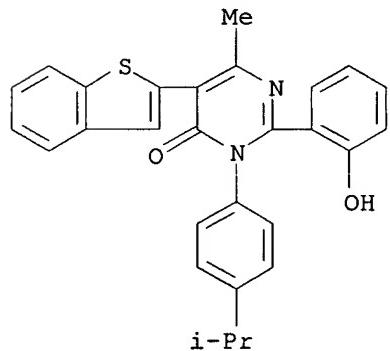
RN 869564-74-9 CAPLUS

CN 4 (3H)-Pyrimidinone, 2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-phenyl- (9CI) (CA INDEX NAME)



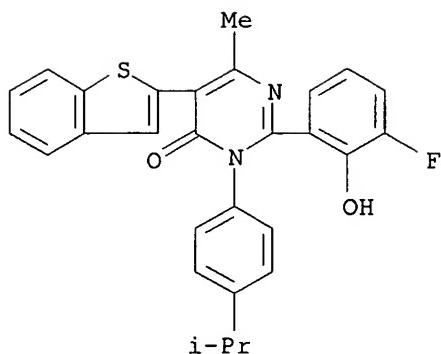
RN 869564-76-1 CAPLUS

CN 4 (3H)-Pyrimidinone, 5-benzo[b]thien-2-yl-2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



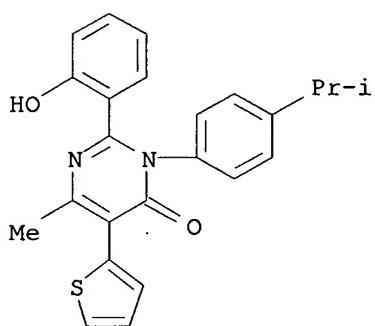
RN 869564-98-7 CAPLUS

CN 4 (3H)-Pyrimidinone, 5-benzo[b]thien-2-yl-2-(3-fluoro-2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



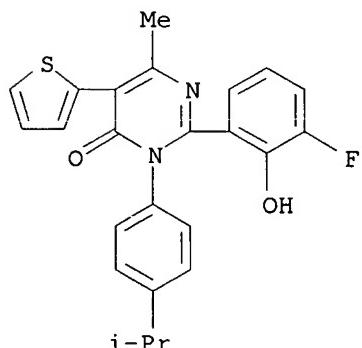
RN 869564-99-8 CAPLUS

CN 4(3H)-Pyrimidinone, 2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-(2-thienyl)- (9CI) (CA INDEX NAME)



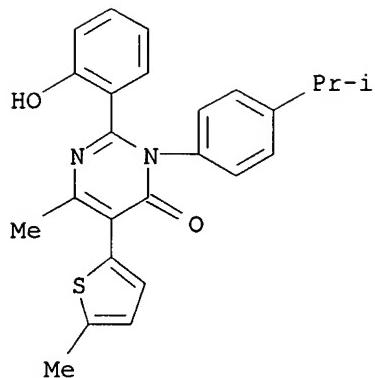
RN 869565-00-4 CAPLUS

CN 4(3H)-Pyrimidinone, 2-(3-fluoro-2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-(2-thienyl)- (9CI) (CA INDEX NAME)



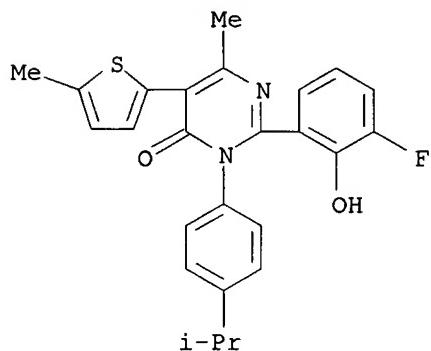
RN 869565-01-5 CAPLUS

CN 4(3H)-Pyrimidinone, 2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-(5-methyl-2-thienyl)- (9CI) (CA INDEX NAME)



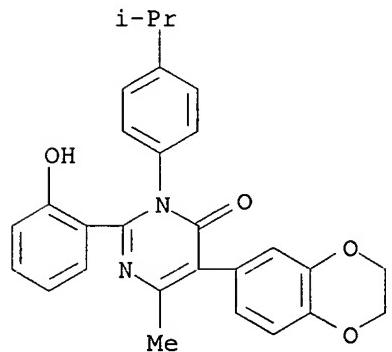
RN 869565-02-6 CAPLUS

CN 4 (3H)-Pyrimidinone, 2-(3-fluoro-2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-(5-methyl-2-thienyl)- (9CI) (CA INDEX NAME)



RN 869565-03-7 CAPLUS

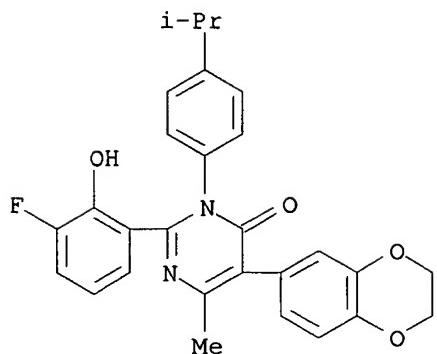
CN 4 (3H)-Pyrimidinone, 5-(2,3-dihydro-1,4-benzodioxin-6-yl)-2-(2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 869565-04-8 CAPLUS

CN 4 (3H)-Pyrimidinone, 5-(2,3-dihydro-1,4-benzodioxin-6-yl)-2-(3-fluoro-2-hydroxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)

NAME)

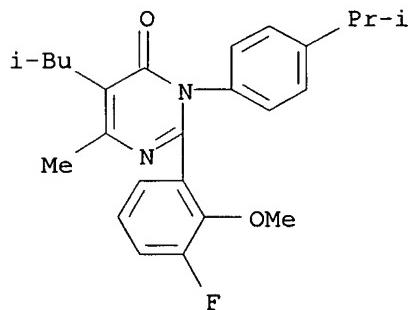


IT 869564-88-5P 869564-94-3P 869564-95-4P  
869564-96-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of pyrimidinones and quinazolinones as calcilytic compds.)

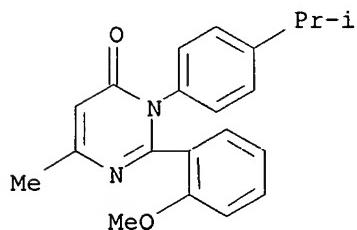
RN 869564-88-5 CAPLUS

CN 4(3H)-Pyrimidinone, 2-(3-fluoro-2-methoxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



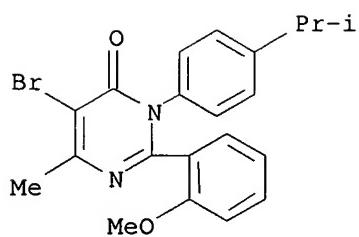
RN 869564-94-3 CAPLUS

CN 4(3H)-Pyrimidinone, 2-(2-methoxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



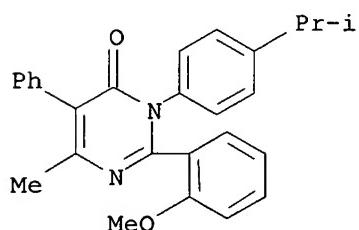
RN 869564-95-4 CAPLUS

CN 4(3H)-Pyrimidinone, 5-bromo-2-(2-methoxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 869564-96-5 CAPLUS

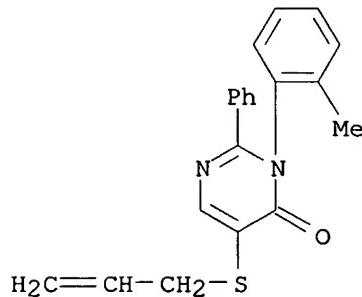
CN 4 (3H)-Pyrimidinone, 2-(2-methoxyphenyl)-6-methyl-3-[4-(1-methylethyl)phenyl]-5-phenyl- (9CI) (CA INDEX NAME)



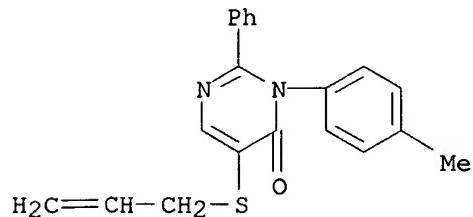
RE.CNT 2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:1084668 CAPLUS  
 DN 144:6745  
 TI Facile synthesis and regioselective thio-Claisen rearrangements of 5-prop-2-ynyl/enyl-sulfanyl pyrimidinones: transformation to thienopyrimidinones  
 AU Mohan, Chander; Singh, Parvesh; Mahajan, M. P.  
 CS Department of Applied Chemistry, Guru Nanak Dev University, Amritsar, Punjab, 143005, India  
 SO Tetrahedron (2005), 61(45), 10774-10780  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier B.V.  
 DT Journal  
 LA English  
 AB A successful generation and utilization of (2-propynyl)thio or (2-propenyl)thio ketene in the synthesis of previously unknown pyrimidinone derivs. and their thio-Claisen rearrangements leading to thienopyrimidinone derivs. is described.  
 IT 870150-32-6P 870150-33-7P 870150-34-8P  
 870150-36-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of [(allyl)thio]pyrimidinone derivs. and study of their regioselective thia-Claisen rearrangement reaction and transformation into thieno[3,2-d]pyrimidinone derivs.)  
 RN 870150-32-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-methylphenyl)-2-phenyl-5-(2-propenylthio)- (9CI)  
 (CA INDEX NAME)

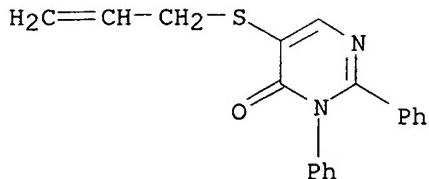


RN 870150-33-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl-5-(2-propenylthio)- (9CI)  
 (CA INDEX NAME)



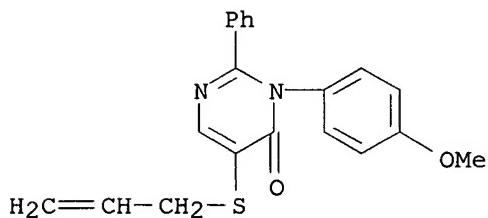
RN 870150-34-8 CAPLUS

CN 4(3H)-Pyrimidinone, 2,3-diphenyl-5-(2-propenylthio)- (9CI) (CA INDEX NAME)



RN 870150-36-0 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(4-methoxyphenyl)-2-phenyl-5-(2-propenylthio)- (9CI) (CA INDEX NAME)



IT 753026-17-4P 753026-18-5P 753026-19-6P

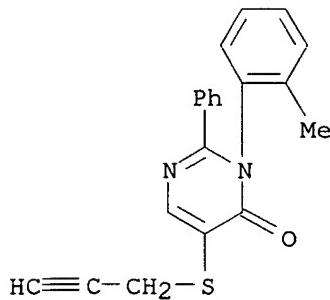
753026-20-9P 753026-21-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of [(propargyl)thio]pyrimidinone derivs. and study of their regioselective thia-Claisen rearrangement reaction and transformation into thieno[3,2-d]pyrimidinone derivs.)

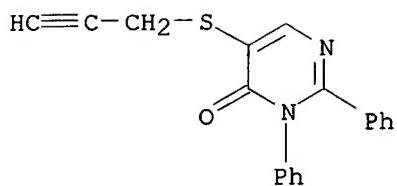
RN 753026-17-4 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(2-methylphenyl)-2-phenyl-5-(2-propynylthio)- (9CI) (CA INDEX NAME)

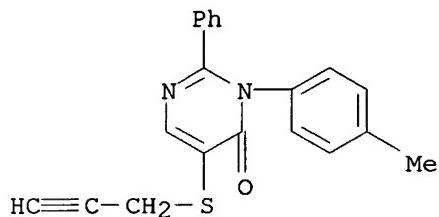


RN 753026-18-5 CAPLUS

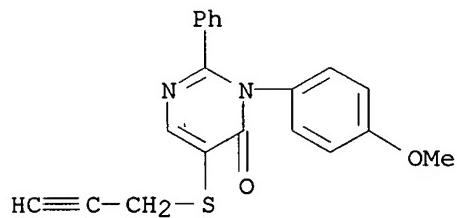
CN 4(3H)-Pyrimidinone, 2,3-diphenyl-5-(2-propynylthio)- (9CI) (CA INDEX NAME)



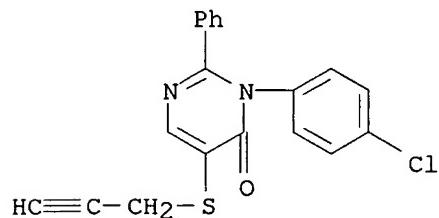
RN 753026-19-6 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl-5-(2-propynylthio)- (9CI)  
 (CA INDEX NAME)



RN 753026-20-9 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(4-methoxyphenyl)-2-phenyl-5-(2-propynylthio)- (9CI)  
 (CA INDEX NAME)



RN 753026-21-0 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(4-chlorophenyl)-2-phenyl-5-(2-propynylthio)- (9CI)  
 (CA INDEX NAME)

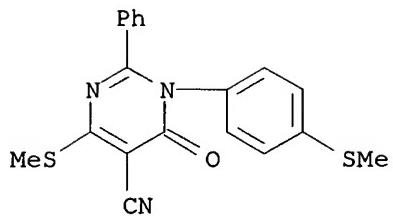


RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

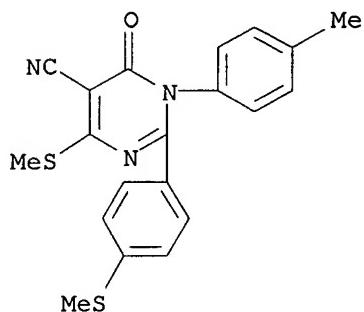
L7 ANSWER 6 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:1075505 CAPLUS  
 DN 143:367312  
 TI Preparation of novel condensed pyrimidones as cyclooxygenase inhibitors  
 IN Agarwal, Shiv Kumar; Tadiparthi, Ravi Kumar; Aggarwal, Pawan; Shivkumar,  
 Savithri  
 PA Orchid Chemicals & Pharmaceuticals Ltd., India  
 SO PCT Int. Appl., 38 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005091711	A2	20051006	WO 2005-IB736	20050322
	WO 2005091711	A3	20060309		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	IN 2004-CH270	A	20040324		
OS	MARPAT	143:367312			
AB	The title compds. I [X = O, S; Ar1, Ar2 = (un)substituted aryl, heteroaryl, heterocycl; R1, R2 = H, OH, NO <sub>2</sub> , etc.], useful for lowering plasma concns. of cytokines, and for decreasing cyclooxygenase activity, were prepared Thus, reacting guanidine.HCl with 5-cyano-1-(4-methylphenyl)- 4-methylthio-2-(4-methylthiophenyl)-1,6-dihdropyrimidin-6-one in the presence of anhydrous K <sub>2</sub> CO <sub>3</sub> in DMF afforded 23% I [X = O; Ar1 = 4-MeC <sub>6</sub> H <sub>4</sub> ; Ar2 = 4-(MeS)C <sub>6</sub> H <sub>4</sub> ; R1, R2 = NH <sub>2</sub> ] which showed 29% COX-2 inhibition and 53% IL-6 inhibition. The present invention relates also to the pharmaceutically acceptable salts and pharmaceutically acceptable compns. containing compds. I.				
IT	613663-80-2 613663-83-5, 5-Cyano-1-(4-methylphenyl)-4- methylthio-2-(4-methylthiophenyl)-1,6-dihdropyrimidin-6-one 812691-92-2, 5-Cyano-1-(4-isopropylphenyl)-4-methylthio-2-(4- methylthiophenyl)-1,6-dihdropyrimidin-6-one 812691-93-3, 5-Cyano-1-(3,4-dimethylphenyl)-4-methylthio-2-(4-methylthiophenyl)-1,6- dihydropyrimidin-6-one RL: RCT (Reactant); RACT (Reactant or reagent) (preparation of novel condensed pyrimidones as cyclooxygenase inhibitors)				
RN	613663-80-2 CAPLUS				
CN	5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)				

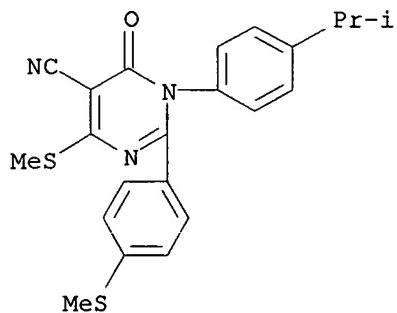
*Common Inv.*  
*Not Prior!*



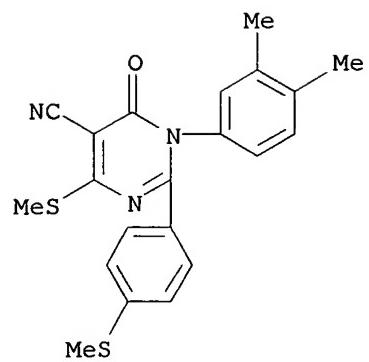
RN 613663-83-5 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 812691-92-2 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-[4-(1-methylethyl)phenyl]-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 812691-93-3 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



L7 ANSWER 7 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:588550 CAPLUS

DN 143:115555

TI Preparation of 2-phenylpyrimidinone mitotic kinesin inhibitors

IN Arrington, Kenneth L.; Fraley, Mark E.; Hartman, George D.

PA Merck & Co., Inc., USA

SO PCT Int. Appl., 52 pp.

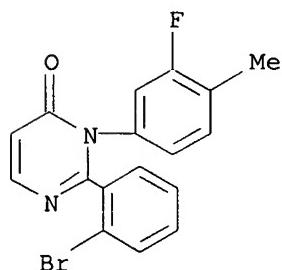
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005060654	A2	20050707	WO 2004-US42171	20041215
	WO 2005060654	A3	20051208		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, SM RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2004305069	A1	20050707	AU 2004-305069	20041215
	CA 2547209	AA	20050707	CA 2004-2547209	20041215
PRAI	US 2003-531554P	P	20031219		
	WO 2004-US42171	W	20041215		
OS	MARPAT 143:115555				
AB	Title compds. I [R1 = H, alkyl, aryl, alkenyl, etc.; R2 = acyl, carboxy, etc.; R3a-3b = H, acyl, alkyl, etc.; p = 1-3] are prepared For instance, 2-(2-bromophenyl)-3-(3-fluoro-4-methylphenyl)pyrimidin-4(3H)-one (II) is prepared in 3 steps from 2-bromobenzonitrile, 3-fluoro-4-methylaniline, DMF di-Me acetal and trimethylsilylketene. II exhibits IC50 ≤ 50 μM for KSP kinesin. I are useful for the treatment of cancer.				
IT	857086-87-4P, 2-(2-Bromophenyl)-3-(3-fluoro-4-methylphenyl)pyrimidin-4(3H)-one				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(preparation of 2-phenylpyrimidinone mitotic kinesin inhibitors)				
RN	857086-87-4 CAPLUS				
CN	4(3H)-Pyrimidinone, 2-(2-bromophenyl)-3-(3-fluoro-4-methylphenyl)- (9CI) (CA INDEX NAME)				



L7 ANSWER 8 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:1127094 CAPLUS  
 DN 142:74592  
 TI Preparation of novel pyrimidones for treating inflammation and immunol. diseases  
 IN Agarwal, Shiv Kumar; Tadiparthi, Ravikumar; Aggarwal, Pawan; Shivakumar, Savithiri; Dey, Debendranath; Nag, Biswajit  
 PA Orchid Chemical & Pharmaceuticals Limited, India  
 SO U.S. Pat. Appl. Publ., 42 pp.; Cont.-in-part of U.S. Ser. No. 409,045.  
 CODEN: USXXCO  
 DT Patent  
 LA English  
 FAN.CNT 5

*Appl PG Pub.*

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004259891	A1	20041223	US 2004-827368	20040420
US 2003225075	A1	20031204	US 2003-409045 Abn	20030409
US 2006194799	A1	20060831	US 2006-414229	20060501

PRAI IN 2002-MA266  
 US 2003-409045  
 US 2003-409153

OS MARPAT 142:74592

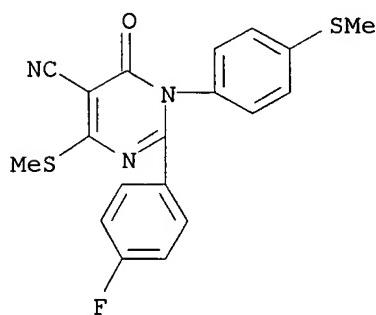
AB The title compds. [I; X = O, S, NR (R = H, OH, acyl, etc.); A, B = (hetero)aryl; R1, R3 = H, SR7, SOpR8 (R7 = H, alkyl, aryl; R8 = halo, alkyl, NH2, acylamino, arylamino, aryl; p = 1-2); R2, R4 = H, halo, OH, etc.; R5, R6 = H, halo, OH, NO2, etc.; n, m = 0-4], useful for treating inflammation and immunol. diseases mediated by cytokines such as TNF- $\alpha$ , IL-1, IL-6, IL-1 $\beta$ , IL-8 and cyclooxygenase such as COX-2 and COX-3, were prepared Thus, reacting Et 2-cyano-3,3-dimethylthioacrylate with N-(4-methylthiophenyl)-4-fluorobenzamidine (preparation given) afforded II which showed 53.38% COX-2 inhibition. The pharmaceutical compns. comprising the compound I are disclosed.

IT 613663-79-9P 613663-83-5P 812691-93-3P  
 812692-27-6P 812692-31-2P 812692-40-3P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of novel pyrimidones for treating inflammation and immunol. diseases)

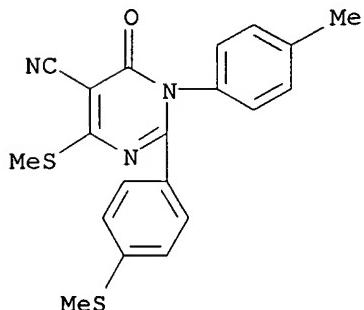
RN 613663-79-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



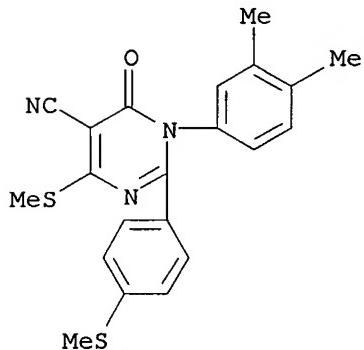
RN 613663-83-5 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 812691-93-3 CAPLUS

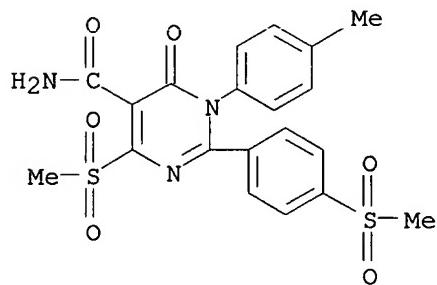
CN 5-Pyrimidinecarbonitrile, 1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



*Electrostatic  
Species*

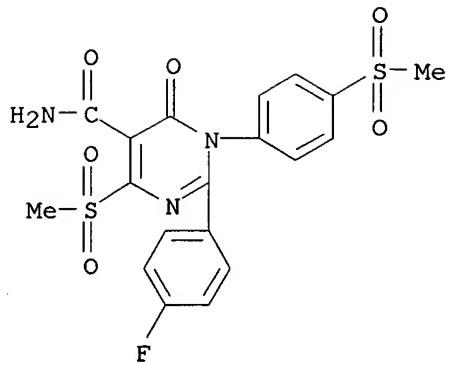
RN 812692-27-6 CAPLUS

CN 5-Pyrimidinecarboxamide, 1,6-dihydro-1-(4-methylphenyl)-4-(methylsulfonyl)-2-[4-(methylsulfonyl)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



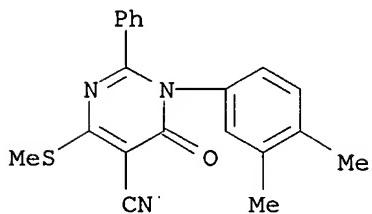
RN 812692-31-2 CAPLUS

CN 5-Pyrimidinecarboxamide, 2-(4-fluorophenyl)-1,6-dihydro-4-(methylsulfonyl)-1-[4-(methylsulfonyl)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 812692-40-3 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



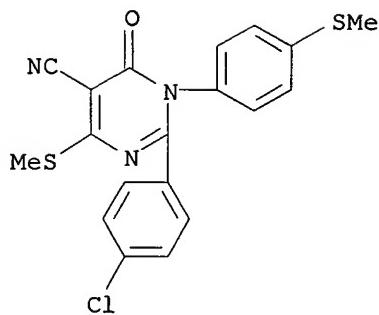
IT 613663-78-8P 613663-80-2P 613663-81-3P  
 613663-82-4P 613663-84-6P 613663-85-7P  
 613663-95-9P 812691-92-2P 812691-94-4P  
 812691-95-5P 812691-96-6P 812691-97-7P  
 812691-98-8P 812691-99-9P 812692-00-5P  
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 812692-70-9P 812692-71-0P 812692-72-1P  
 812692-73-2P 812692-74-3P 812692-75-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel pyrimidones for treating inflammation and immunol. diseases)

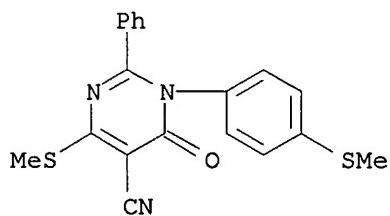
RN 613663-78-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-(4-chlorophenyl)-1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



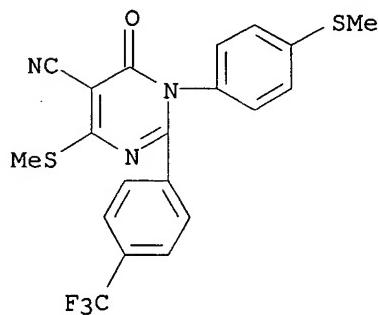
RN 613663-80-2 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



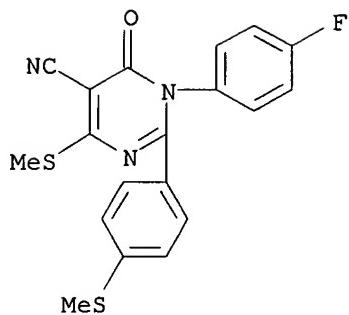
RN 613663-81-3 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



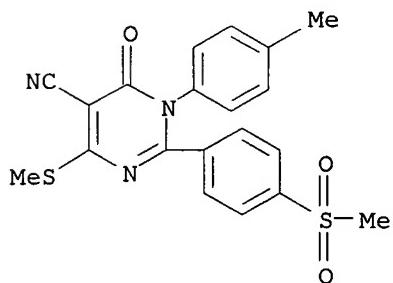
RN 613663-82-4 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



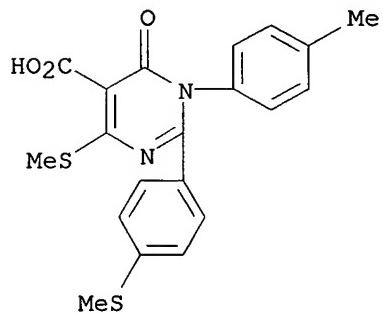
RN 613663-84-6 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-2-[4-(methylsulfonyl)phenyl]-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)



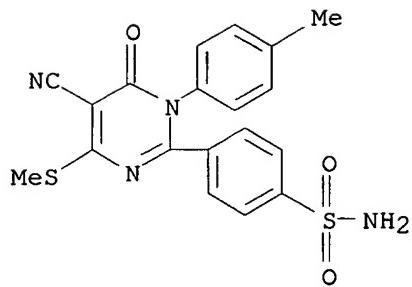
RN 613663-85-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



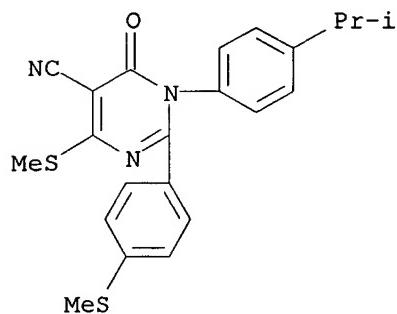
RN 613663-95-9 CAPLUS

CN Benzenesulfonamide, 4-[5-cyano-1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



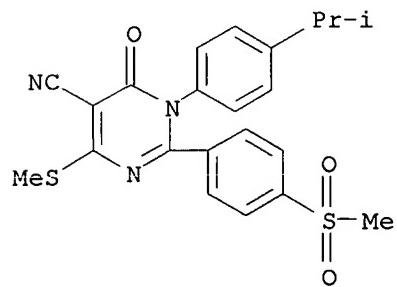
RN 812691-92-2 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-[4-(1-methylethyl)phenyl]-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



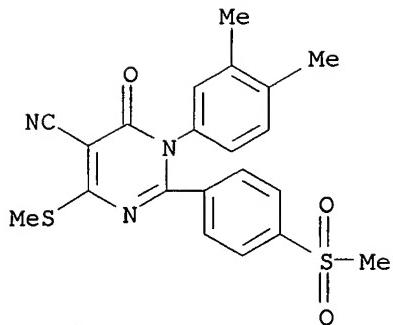
RN 812691-94-4 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-[4-(1-methylethyl)phenyl]-2-[4-(methylsulfonyl)phenyl]-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)



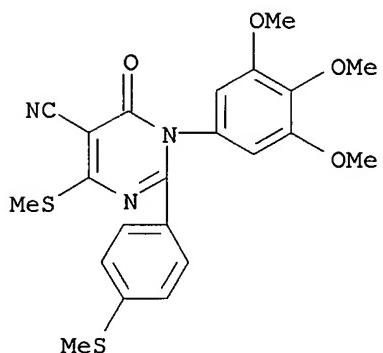
RN 812691-95-5 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(3,4-dimethylphenyl)-1,6-dihydro-2-[4-(methylsulfonyl)phenyl]-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)



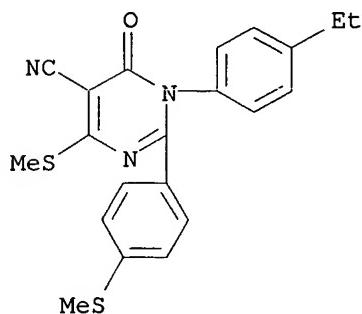
RN 812691-96-6 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo-1-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



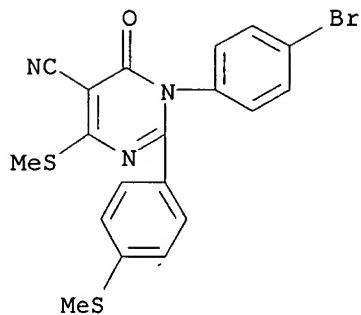
RN 812691-97-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-ethylphenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)

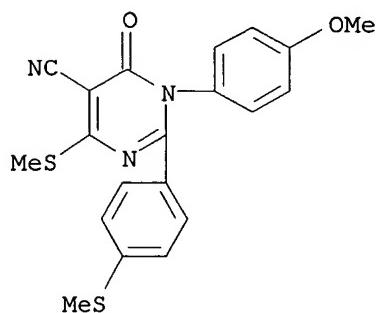


RN 812691-98-8 CAPLUS

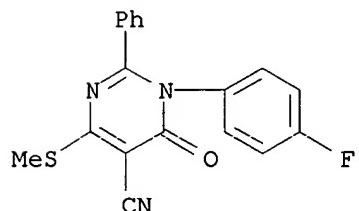
CN 5-Pyrimidinecarbonitrile, 1-(4-bromophenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



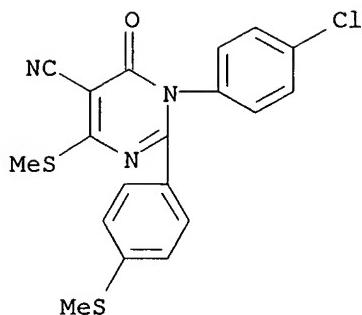
RN 812691-99-9 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methoxyphenyl)-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 812692-00-5 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)

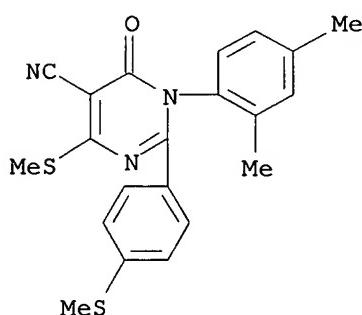


RN 812692-01-6 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1-(4-chlorophenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



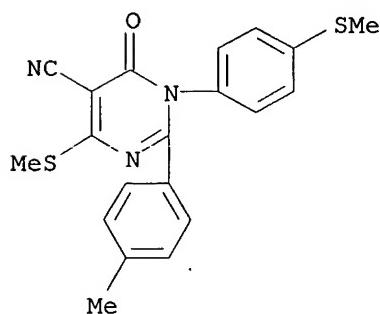
RN 812692-02-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(2,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



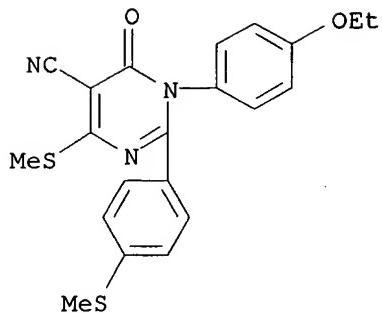
RN 812692-03-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-2-(4-methylphenyl)-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



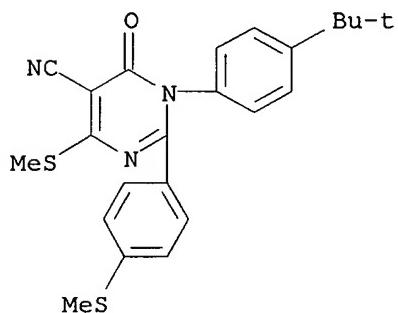
RN 812692-04-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-ethoxyphenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



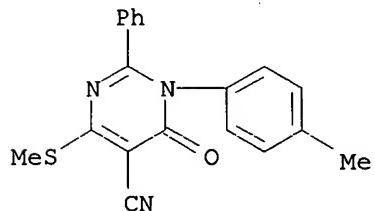
RN 812692-05-0 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-[4-(1,1-dimethylethyl)phenyl]-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



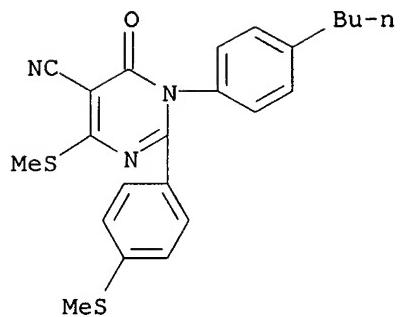
RN 812692-06-1 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



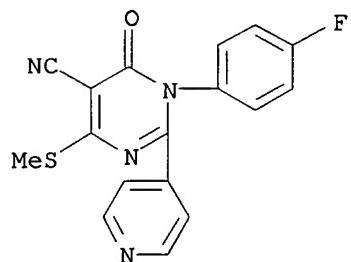
RN 812692-07-2 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-butylphenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



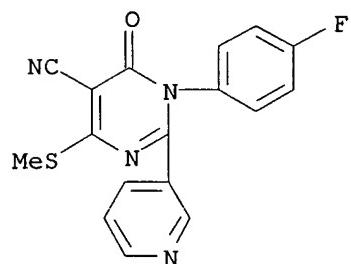
RN 812692-08-3 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)



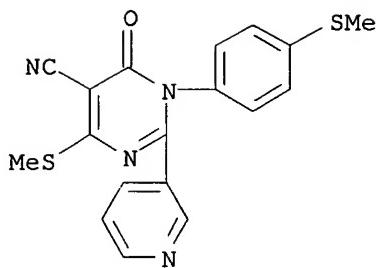
RN 812692-09-4 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-(3-pyridinyl)- (9CI) (CA INDEX NAME)



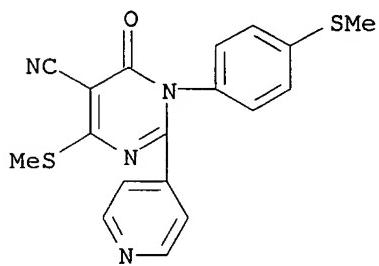
RN 812692-10-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-(3-pyridinyl)- (9CI) (CA INDEX NAME)



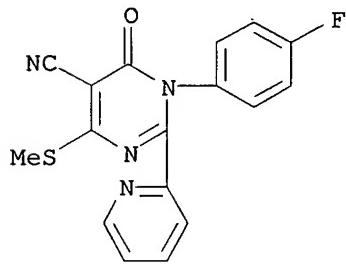
RN 812692-11-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)



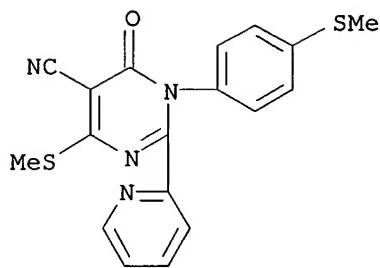
RN 812692-12-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



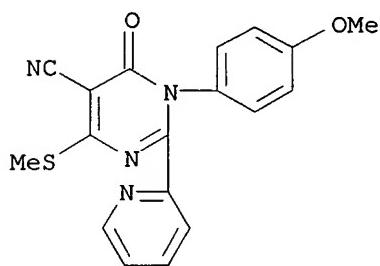
RN 812692-13-0 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



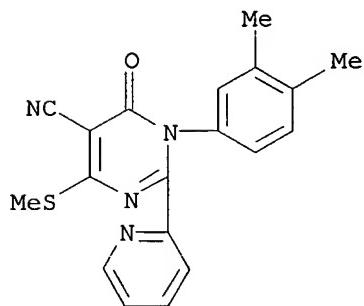
RN 812692-14-1 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methoxyphenyl)-4-(methylthio)-6-oxo-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



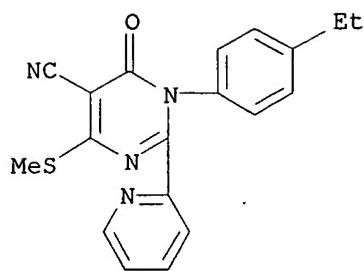
RN 812692-15-2 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)

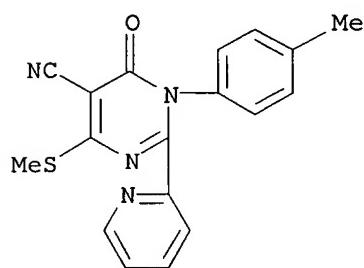


RN 812692-16-3 CAPLUS

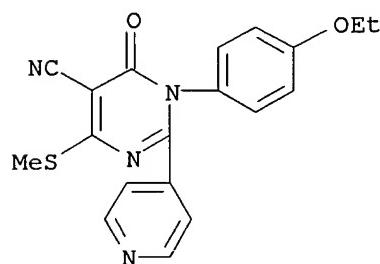
CN 5-Pyrimidinecarbonitrile, 1-(4-ethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



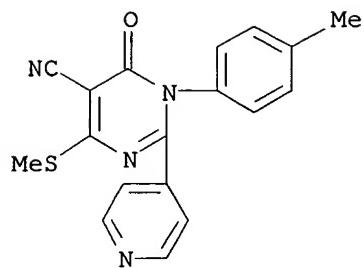
RN 812692-17-4 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)



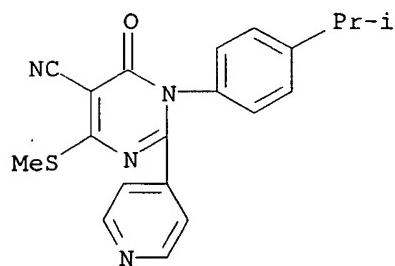
RN 812692-18-5 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1-(4-ethoxyphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)



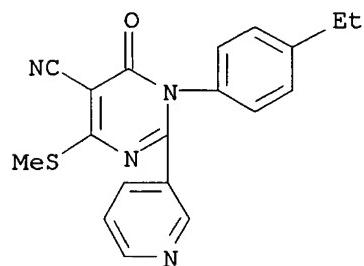
RN 812692-19-6 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)



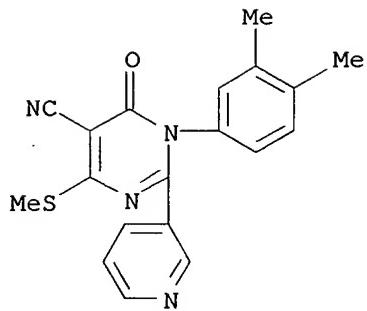
RN 812692-20-9 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-[4-(1-methylethyl)phenyl]-4-(methylthio)-6-oxo-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)



RN 812692-21-0 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1-(4-ethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-(3-pyridinyl)- (9CI) (CA INDEX NAME)

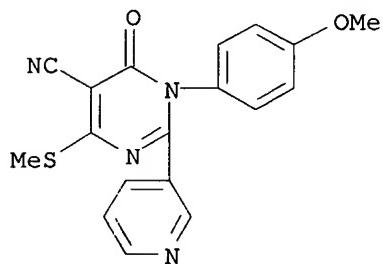


RN 812692-22-1 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-(3-pyridinyl)- (9CI) (CA INDEX NAME)



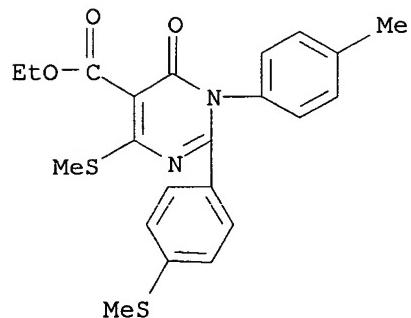
RN 812692-23-2 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methoxyphenyl)-4-(methylthio)-6-oxo-2-(3-pyridinyl)- (9CI) (CA INDEX NAME)



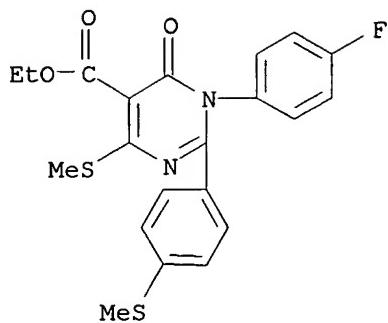
RN 812692-24-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (9CI) (CA INDEX NAME)

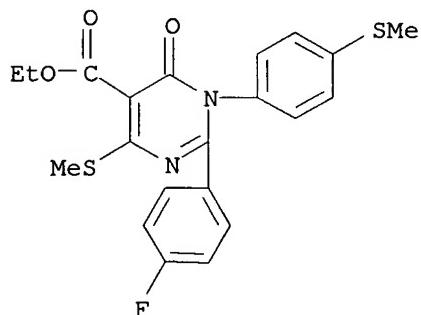


RN 812692-25-4 CAPLUS

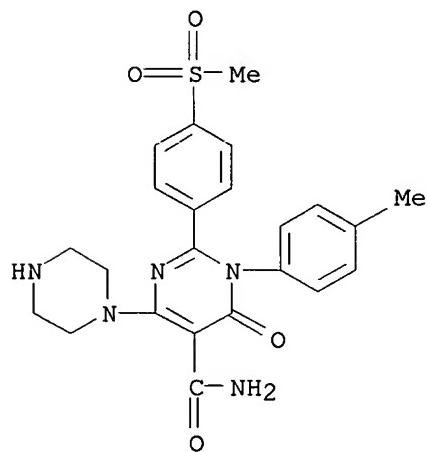
CN 5-Pyrimidinecarboxylic acid, 1-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (9CI) (CA INDEX NAME)



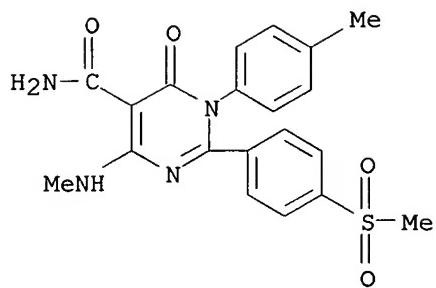
RN 812692-26-5 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 2-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-, ethyl ester (9CI) (CA INDEX NAME)



RN 812692-28-7 CAPLUS  
 CN 5-Pyrimidinecarboxamide, 1,6-dihydro-1-(4-methylphenyl)-2-[4-(methylsulfonyl)phenyl]-6-oxo-4-(1-piperazinyl)- (9CI) (CA INDEX NAME)

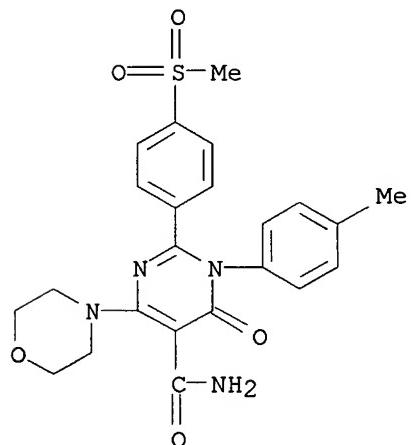


RN 812692-29-8 CAPLUS  
 CN 5-Pyrimidinecarboxamide, 1,6-dihydro-4-(methylamino)-1-(4-methylphenyl)-2-[4-(methylsulfonyl)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



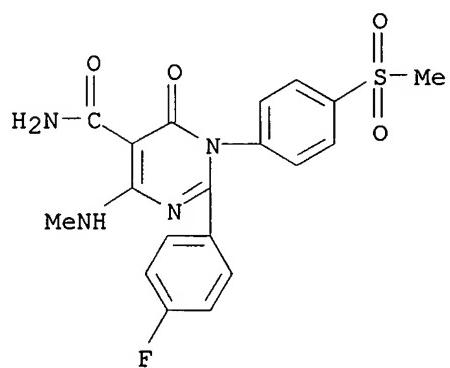
RN 812692-30-1 CAPLUS

CN 5-Pyrimidinecarboxamide, 1,6-dihydro-1-(4-methylphenyl)-2-[4-(methylsulfonyl)phenyl]-4-(4-morpholinyl)-6-oxo- (9CI) (CA INDEX NAME)



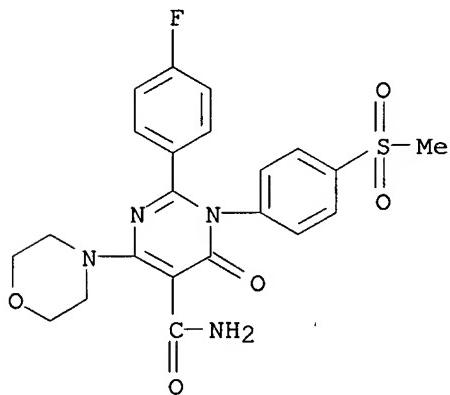
RN 812692-32-3 CAPLUS

CN 5-Pyrimidinecarboxamide, 2-(4-fluorophenyl)-1,6-dihydro-4-(methylamino)-1-[4-(methylsulfonyl)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



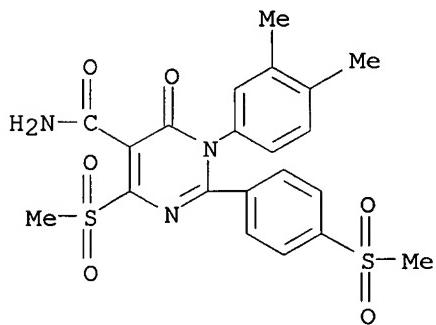
RN 812692-33-4 CAPLUS

CN 5-Pyrimidinecarboxamide, 2-(4-fluorophenyl)-1,6-dihydro-1-[4-(methylsulfonyl)phenyl]-4-(4-morpholinyl)-6-oxo- (9CI) (CA INDEX NAME)



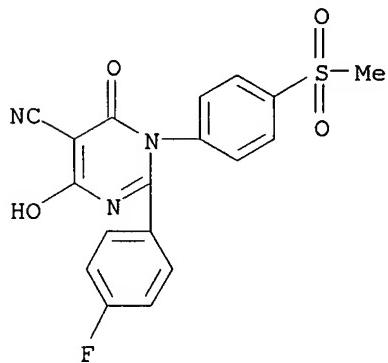
RN 812692-34-5 CAPLUS

CN 5-Pyrimidinecarboxamide, 1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylsulfonyl)-2-[4-(methylsulfonyl)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



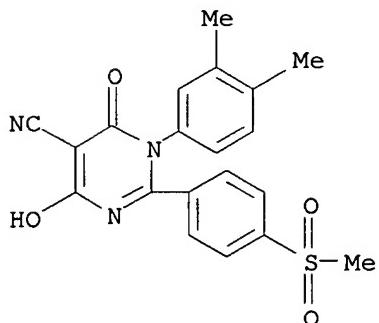
RN 812692-35-6 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-(4-fluorophenyl)-1,6-dihydro-4-hydroxy-1-[4-(methylsulfonyl)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



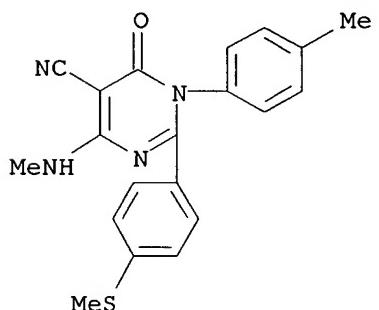
RN 812692-36-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(3,4-dimethylphenyl)-1,6-dihydro-4-hydroxy-2-[4-(methylsulfonyl)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



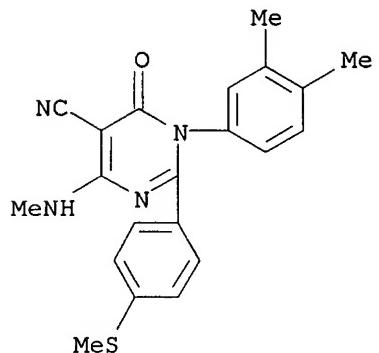
RN 812692-37-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylamino)-1-(4-methylphenyl)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 812692-38-9 CAPLUS

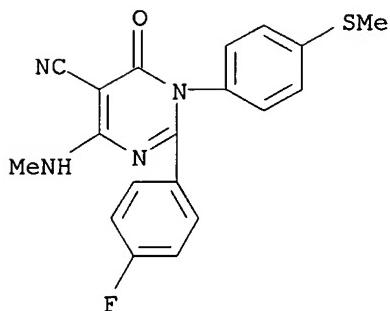
CN 5-Pyrimidinecarbonitrile, 1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylamino)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



RN 812692-39-0 CAPLUS

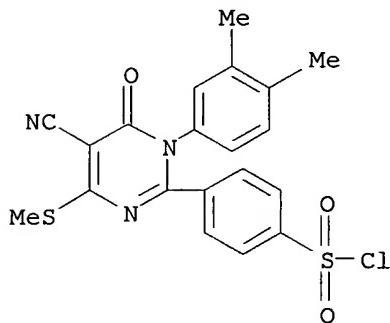
CN 5-Pyrimidinecarbonitrile, 2-(4-fluorophenyl)-1,6-dihydro-4-(methylamino)-1-

[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



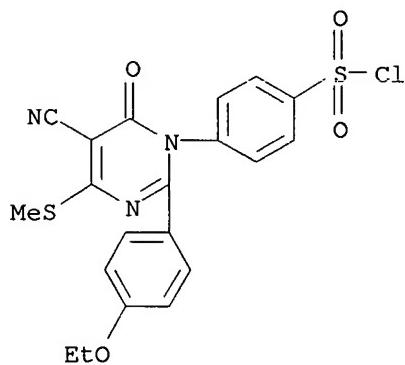
RN 812692-41-4 CAPLUS

CN Benzenesulfonyl chloride, 4-[5-cyano-1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



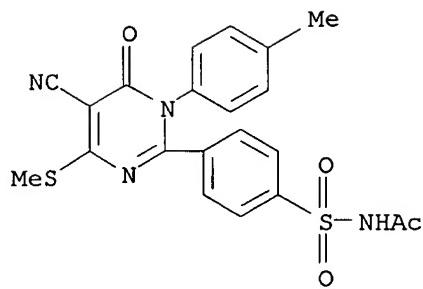
RN 812692-42-5 CAPLUS

CN Benzenesulfonyl chloride, 4-[5-cyano-2-(4-ethoxyphenyl)-4-(methylthio)-6-oxo-1(6H)-pyrimidinyl]- (9CI) (CA INDEX NAME)

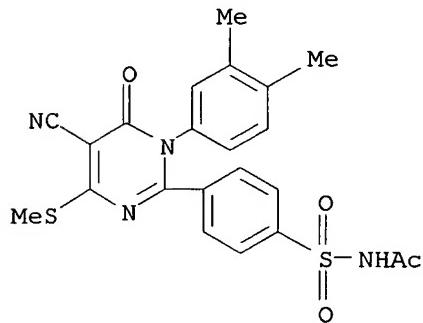


RN 812692-70-9 CAPLUS

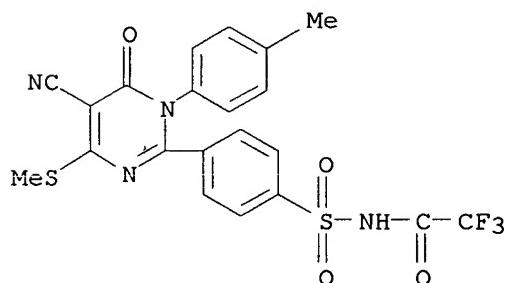
CN Acetamide, N-[[4-[5-cyano-1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo-2-pyrimidinyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



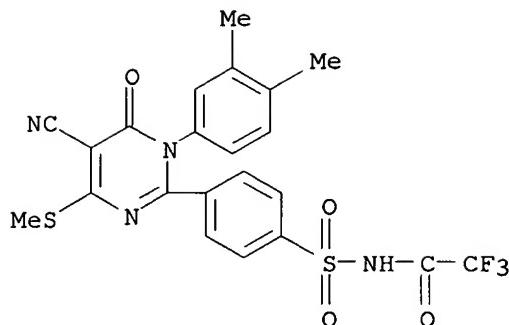
RN 812692-71-0 CAPLUS  
 CN Acetamide, N-[4-[5-cyano-1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-pyrimidinyl]phenyl]sulfonyl]- (9CI) (CA INDEX NAME)



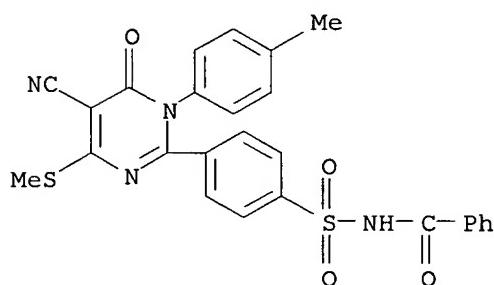
RN 812692-72-1 CAPLUS  
 CN Acetamide, N-[4-[5-cyano-1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo-2-pyrimidinyl]phenyl]sulfonyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



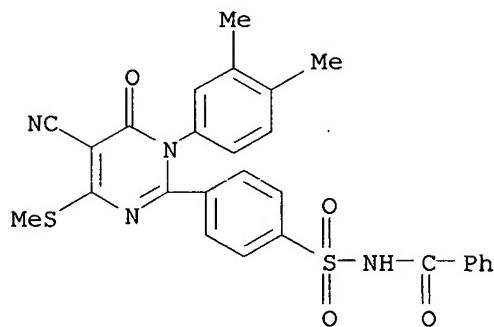
RN 812692-73-2 CAPLUS  
 CN Acetamide, N-[4-[5-cyano-1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-pyrimidinyl]phenyl]sulfonyl]-2,2,2-trifluoro- (9CI) (CA INDEX NAME)



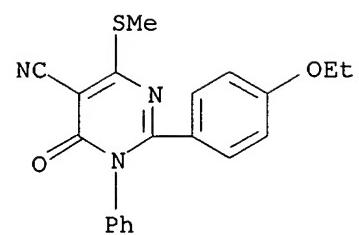
RN 812692-74-3 CAPLUS  
 CN Benzamide, N-[4-[5-cyano-1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo-2-pyrimidinyl]phenyl]sulfonyl- (9CI) (CA INDEX NAME)



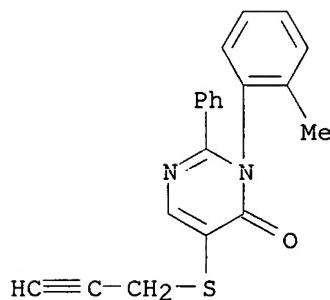
RN 812692-75-4 CAPLUS  
 CN Benzamide, N-[4-[5-cyano-1-(3,4-dimethylphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-2-pyrimidinyl]phenyl]sulfonyl- (9CI) (CA INDEX NAME)



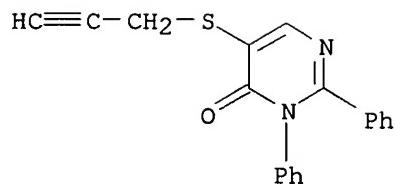
IT 812692-69-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of novel pyrimidones for treating inflammation and immunol.  
 diseases)  
 RN 812692-69-6 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 2-(4-ethoxyphenyl)-1,6-dihydro-4-(methylthio)-6-oxo-1-phenyl- (9CI) (CA INDEX NAME)



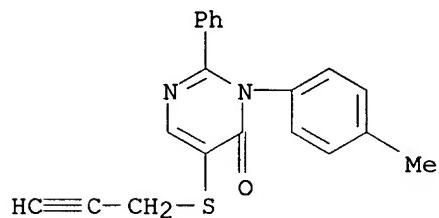
L7 ANSWER 9 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:561526 CAPLUS  
 DN 141:243496  
 TI A facile synthesis and thio-Claisen rearrangement of 3-aryl-2-phenyl-5-prop-2-ynylsulfanyl-3H-pyrimidin-4-ones: regioselective transformation to thieno[3,2-d]pyrimidin-4-ones  
 AU Mohan, Chander; Kumar, Vipan; Mahajan, Mohinder P.  
 CS Department of Applied Chemistry, Guru Nanak Dev University, Amritsar, 143005, India  
 SO Tetrahedron Letters (2004), 45(31), 6075-6077  
 CODEN: TELEAY; ISSN: 0040-4039  
 PB Elsevier  
 DT Journal  
 LA English  
 OS CASREACT 141:243496  
 AB The synthesis and transformation of previously unknown 3-aryl-2-phenyl-5-prop-2-ynylsulfanyl-3H-pyrimidin-4-ones to novel thieno[3,2-d]pyrimidin-4-ones are reported. For example, [2+4] cycloaddn. of N-[(dimethylamino)methylene]-N'-(4-methoxyphenyl)benzenecarboximidamide with [(2-propynyl)thio]acetic acid gave 3-(4-methoxyphenyl)-2-phenyl-5-[(2-propynyl)thio]-4(3H)-pyrimidinone (I). Subsequent thermal Claisen rearrangement of I followed by regioselective cyclization gave 3-(4-methoxyphenyl)-6-methyl-2-phenylthieno[3,2-d]pyrimidin-4(3H)-one (II).  
 IT 753026-17-4P 753026-18-5P 753026-19-6P  
 753026-20-9P 753026-21-0P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of (aryl)(phenyl)thieno[3,2-d]pyrimidinones by thio-Claisen rearrangement and regioselective cyclization of (aryl)(phenyl)[(propynyl)thio]pyrimidinone intermediates)  
 RN 753026-17-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-methylphenyl)-2-phenyl-5-(2-propynylthio)- (9CI) (CA INDEX NAME)



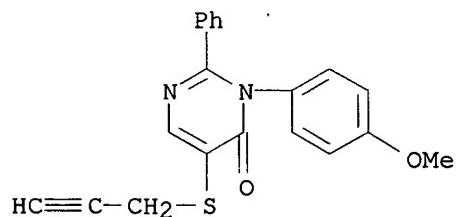
RN 753026-18-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3-diphenyl-5-(2-propynylthio)- (9CI) (CA INDEX NAME)



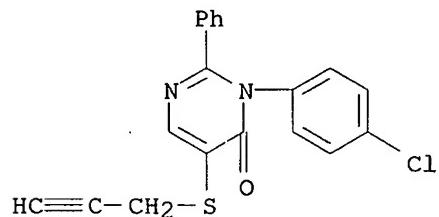
RN 753026-19-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl-5-(2-propynylthio)- (9CI)  
 (CA INDEX NAME)



RN 753026-20-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methoxyphenyl)-2-phenyl-5-(2-propynylthio)- (9CI)  
 (CA INDEX NAME)

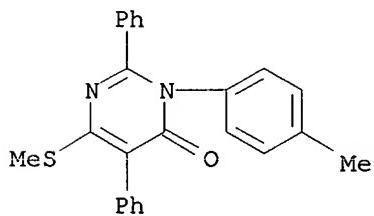


RN 753026-21-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2-phenyl-5-(2-propynylthio)- (9CI)  
 (CA INDEX NAME)

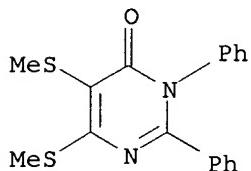


RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

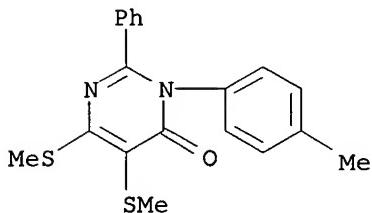
L7 ANSWER 10 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:322922 CAPLUS  
 DN 141:54290  
 TI Synthesis of novel heterocyclic fused 1,3-diazabuta-1,3-dienes and accompanying rearrangements in their cycloaddition reactions with ketenes: synthesis of heterocyclic fused pyrimidinone derivatives  
 AU Jayakumar, S.; Singh, Parvesh; Mahajan, Mohinder P.  
 CS Department of Applied Chemistry, Guru Nanak Dev University, Amritsar, 143005, India  
 SO Tetrahedron (2004), 60(19), 4315-4324  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier Science B.V.  
 DT Journal  
 LA English  
 OS CASREACT 141:54290  
 AB The reactions of 1,3-diazabuta-1,3-dienes (I, R = H, Me; R1 = morpholino, piperidino, NMe<sub>2</sub>) with 2-aminothiophenol have been shown to result in excellent yields of N-benzothiazol-2-yl-N'-arylbenzamidines (II, same R). Their regioselective [4+2] cycloaddns. with various ketenes are shown to yield novel benzothiazolo pyrimidinones (III, R<sub>2</sub> = Ph, vinyl, CH<sub>2</sub>:CMe, CH<sub>2</sub>:CHCH:CH). A similar and convenient protocol for the synthesis of bisthio-substituted 1,3-diazabuta-1,3-dienes, e.g. IV (R, R<sub>1</sub> = H, Me), and interesting rearrangements accompanying their [4+2] cycloaddns. with a number of ketenes are described.  
 IT 708989-33-7P 708989-34-8P 708989-35-9P  
 708989-36-0P 708989-37-1P 708989-40-6P  
 708989-41-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of heterocyclic fused 1,3-diazabuta-1,3-dienes and  
 bisthio-substituted 1,3-diazabuta-1,3-dienes and their regioselective  
 [4+2] cycloaddn. reactions with ketenes)  
 RN 708989-33-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-6-(methylthio)-2,5-diphenyl- (9CI)  
 (CA INDEX NAME)



RN 708989-34-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5,6-bis(methylthio)-2,3-diphenyl- (9CI) (CA INDEX NAME)

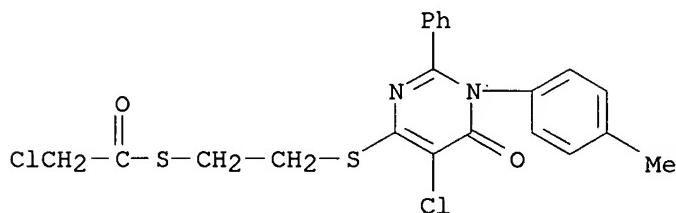


RN 708989-35-9 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-5,6-bis(methylthio)-2-phenyl- (9CI)  
(CA INDEX NAME)

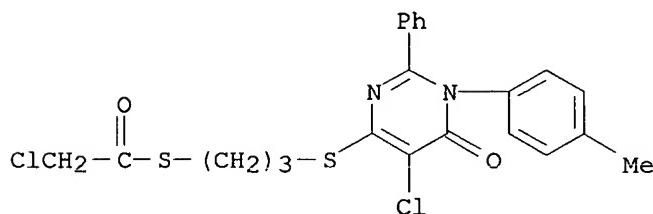
RN 708989-36-0 CAPLUS

CN Ethanethioic acid, chloro-, S-[2-[[5-chloro-1,6-dihydro-1-(4-methylphenyl)-6-oxo-2-phenyl-4-pyrimidinyl]thio]ethyl ester (9CI) (CA INDEX NAME)



RN 708989-37-1 CAPLUS

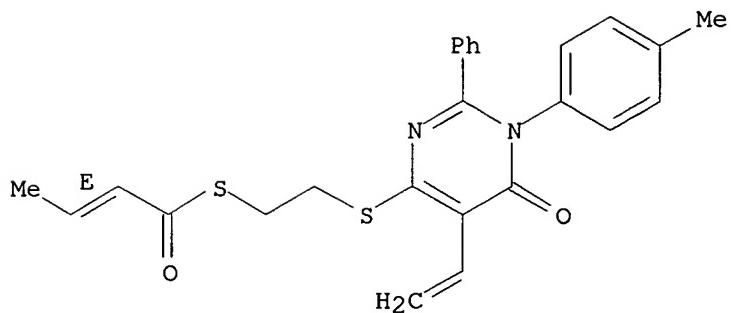
CN Ethanethioic acid, chloro-, S-[3-[[5-chloro-1,6-dihydro-1-(4-methylphenyl)-6-oxo-2-phenyl-4-pyrimidinyl]thio]propyl ester (9CI) (CA INDEX NAME)



RN 708989-40-6 CAPLUS

CN 2-Butenethioic acid, S-[2-[[5-ethenyl-1,6-dihydro-1-(4-methylphenyl)-6-oxo-2-phenyl-4-pyrimidinyl]thio]ethyl ester, (2E)- (9CI) (CA INDEX NAME)

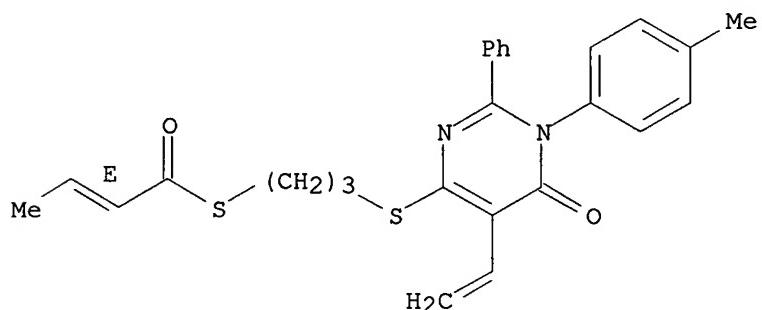
Double bond geometry as shown.



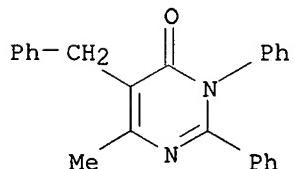
RN 708989-41-7 CAPLUS

CN 2-Butenethioic acid, S-[3-[(5-ethenyl-1,6-dihydro-1-(4-methylphenyl)-6-oxo-2-phenyl-4-pyrimidinyl)thio]propyl] ester, (2E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 11 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:147199 CAPLUS  
 DN 140:339284  
 TI An efficient synthesis of 3-substituted 3H-pyrimidin-4-ones  
 AU Jeong, Jae Uk; Chen, Xiaohong; Rahman, Attiq; Yamashita, Dennis S.;  
 Luengo, Juan I.  
 CS Department of Medicinal Chemistry, MMPD CEDD, GlaxoSmithKline,  
 Collegeville, PA, 19426, USA  
 SO Organic Letters (2004), 6(6), 1013-1016  
 CODEN: ORLETF; ISSN: 1523-7060  
 PB American Chemical Society  
 DT Journal  
 LA English  
 OS CASREACT 140:339284  
 AB A practical synthesis of 3-substituted 3H-pyrimidin-4-ones, e.g., I, is described. The key step involved the cyclization of enamide esters, derived from readily available  $\beta$ -keto esters, with various primary amines.  
 IT 680860-26-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of pyrimidinones via condensation of ammonium acetate with  
 $\beta$ -keto esters followed by amidation with anhydrides and  
 heterocyclization with primary amines)  
 RN 680860-26-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-methyl-2,3-diphenyl-5-(phenylmethyl)- (9CI) (CA  
 INDEX NAME)



RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2003:818406 CAPLUS  
 DN 139:323531  
 TI Preparation of novel pyrimidones for treating inflammation and immunol. diseases  
 IN Agarwal, Shiv Kumar; Tadiparthi, Ravikumar; Aggarwal, Pawan; Shivakumar, Savithiri; Dey, Debendranath; Nag, Biswajit  
 PA Orchid Chemicals & Pharmaceuticals Limited, India  
 SO PCT Int. Appl., 47 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 5

Same Inv. Priority Appl.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003084938	A2	20031016	WO 2003-IB1306	20030410
	WO 2003084938	A3	20040205		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR; BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003232813	A1	20031218	US 2003-409161	20030409
	US 2004009975	A1	20040115	US 2003-409153	20030409
	CA 2481825	AA	20031016	CA 2003-2481825	20030410
	AU 2003216592	A1	20031020	AU 2003-216592	20030410
	EP 1492774	A2	20050105	EP 2003-712500	20030410
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1656080	A	20050817	CN 2003-812546	20030410
	JP 2005535570	T2	20051124	JP 2003-582135	20030410
	US 2006194799	A1	20060831	US 2006-414229	20060501
PRAI	IN 2002-MA266	A	20020410		
	US 2003-409153	A3	20030409		
	WO 2003-IB1306	W	20030410		
OS	MARPAT 139:323531				
AB	Th title compds. [I; X = O, S, NR (R = H, OH, acyl, etc.); A, B = (hetero)aryl; R1, R3 = SR7, SOpR8 (R7 = alkyl, aryl; R8 = alkyl, NH2, aryl; p = 1-2); R2, R4 = H, halo, OH, etc.; R5, R6 = H, halo, OH, NO2, etc.; n, m = 0-2], useful for treating inflammation and immunol. diseases mediated by cytokines such as TNF- $\alpha$ , IL-1, IL-6, IL-1 $\beta$ , IL-8 and cyclooxygenase such as COX-2 and COX-3, were prepared and formulated. Thus, reacting Et 2-cyano-3,3-dimethylthioacrylate with N-(4-methylthiophenyl)-4-fluorobenzamidine (preparation given) afforded II which showed 53.38% COX-2 inhibition. Pharmaceutical composition comprising the compound I is claimed.				
IT	613663-78-8P	613663-79-9P	613663-80-2P		
	613663-81-3P	613663-82-4P	613663-83-5P		
	613663-84-6P	613663-85-7P	613663-92-6P		
	613663-93-7P	613663-94-8P	613663-95-9P		
	613663-96-0P	613663-97-1P	613663-98-2P		
	613663-99-3P	613664-00-9P	613664-01-0P		
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613664-05-4P 613664-06-5P 613664-07-6P

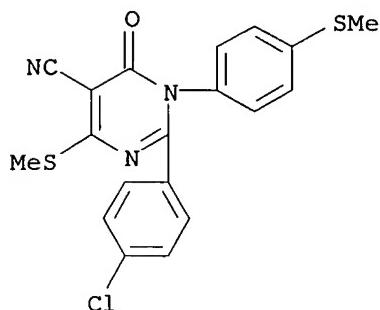
613664-08-7P 613664-09-8P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of novel pyrimidones for treating inflammation and immunol. diseases)

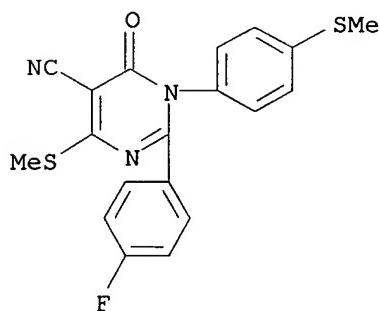
RN 613663-78-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-(4-chlorophenyl)-1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



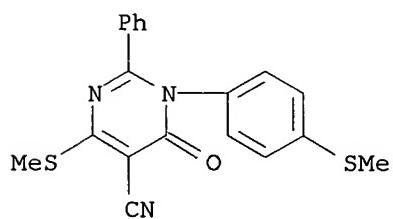
RN 613663-79-9 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



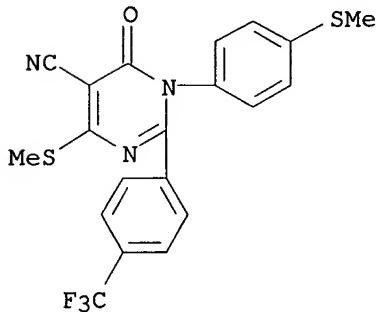
RN 613663-80-2 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



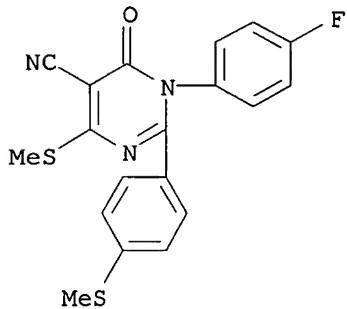
RN 613663-81-3 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



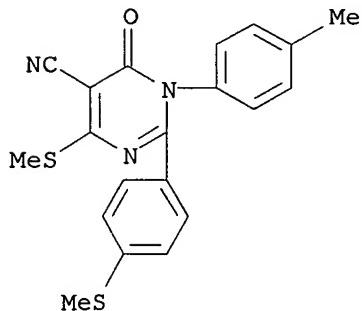
RN 613663-82-4 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



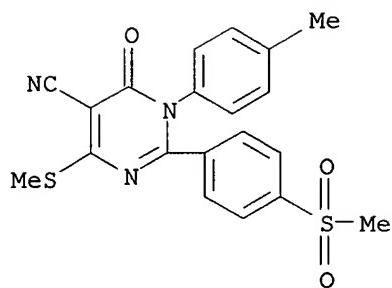
RN 613663-83-5 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



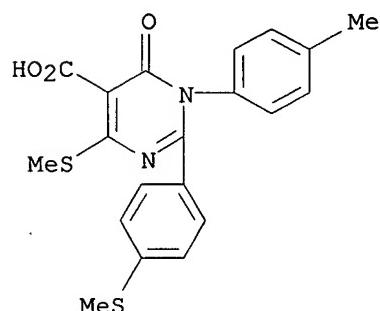
RN 613663-84-6 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-2-[4-(methylsulfonyl)phenyl]-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)



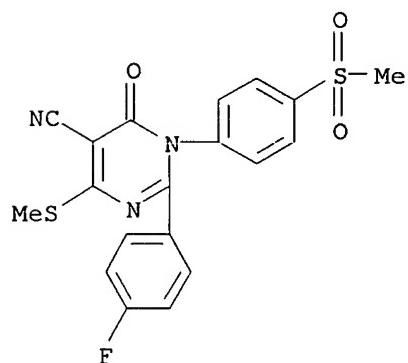
RN 613663-85-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



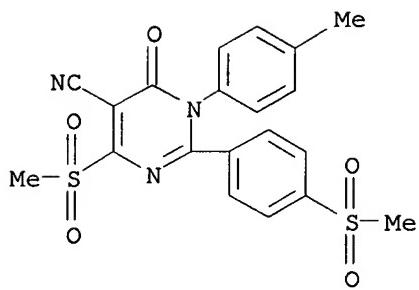
RN 613663-92-6 CAPLUS

CN 5-Pyrimidinecarbonitrile, 2-(4-fluorophenyl)-1,6-dihydro-1-[4-(methylsulfonyl)phenyl]-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)



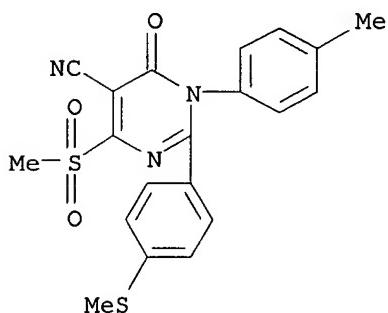
RN 613663-93-7 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-4-(methylsulfonyl)-2-[4-(methylsulfonyl)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



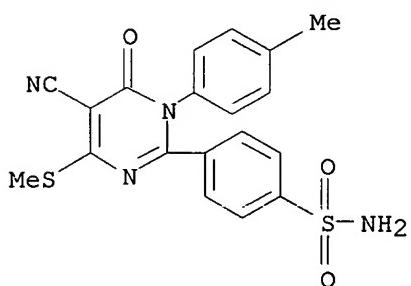
RN 613663-94-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-4-(methylsulfonyl)-2-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



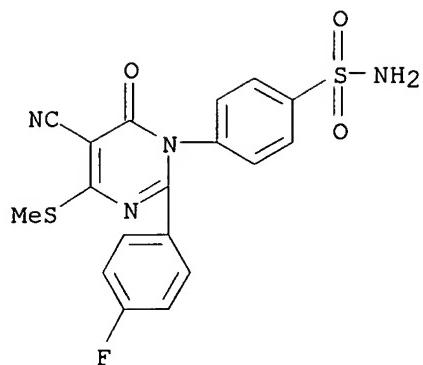
RN 613663-95-9 CAPLUS

CN Benzenesulfonamide, 4-[5-cyano-1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo-2-pyrimidinyl]- (9CI) (CA INDEX NAME)



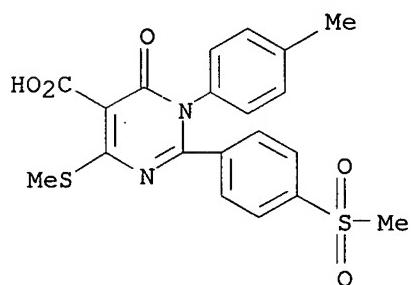
RN 613663-96-0 CAPLUS

CN Benzenesulfonamide, 4-[5-cyano-2-(4-fluorophenyl)-4-(methylthio)-6-oxo-1(6H)-pyrimidinyl]- (9CI) (CA INDEX NAME)



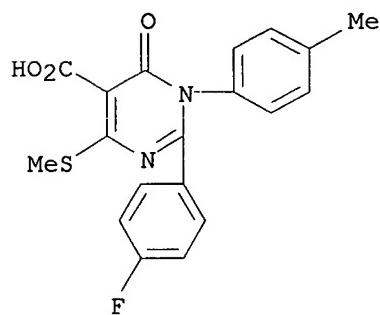
RN 613663-97-1 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-1-(4-methylphenyl)-2-[4-(methylsulfonyl)phenyl]-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)



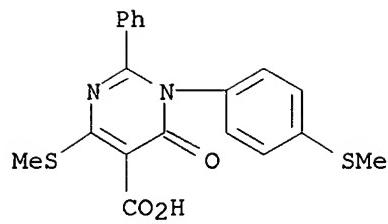
RN 613663-98-2 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 2-(4-fluorophenyl)-1,6-dihydro-1-(4-methylphenyl)-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)



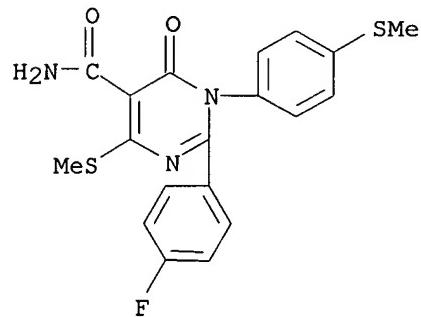
RN 613663-99-3 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



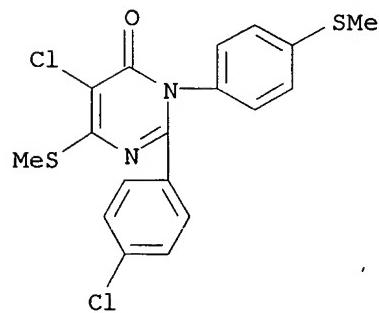
RN 613664-00-9 CAPLUS

CN 5-Pyrimidinecarboxamide, 2-(4-fluorophenyl)-1,6-dihydro-4-(methylthio)-1-[4-(methylthio)phenyl]-6-oxo- (9CI) (CA INDEX NAME)



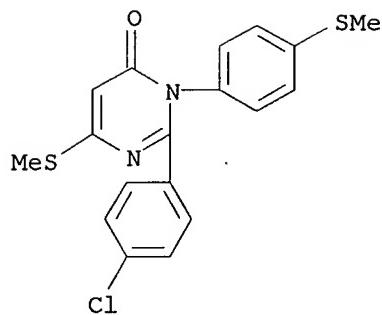
RN 613664-01-0 CAPLUS

CN 4(3H)-Pyrimidinone, 5-chloro-2-(4-chlorophenyl)-6-(methylthio)-3-[4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)

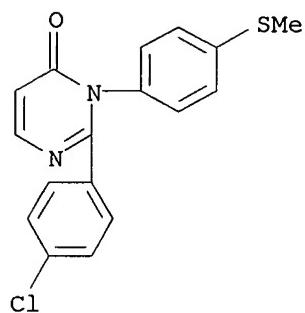


RN 613664-02-1 CAPLUS

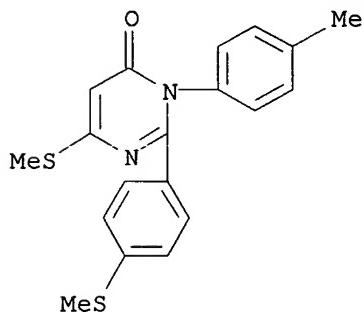
CN 4(3H)-Pyrimidinone, 2-(4-chlorophenyl)-6-(methylthio)-3-[4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)



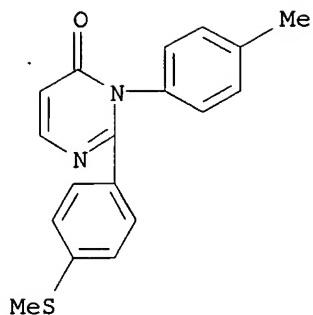
RN 613664-03-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2-(4-chlorophenyl)-3-[4-(methylthio)phenyl]- (9CI)  
 (CA INDEX NAME)



RN 613664-04-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-6-(methylthio)-2-[4-(methylthio)phenyl]- (9CI) (CA INDEX NAME)

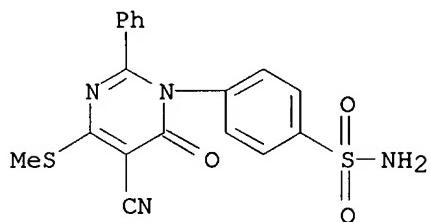


RN 613664-05-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2-[4-(methylthio)phenyl]- (9CI)  
 (CA INDEX NAME)



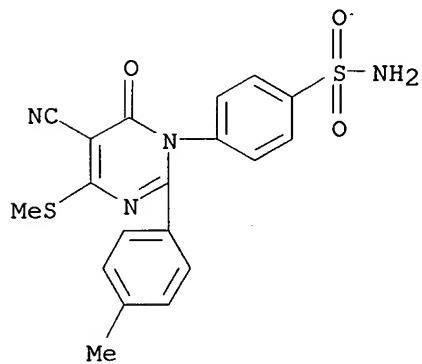
RN 613664-06-5 CAPLUS

CN Benzenesulfonamide, 4-[5-cyano-4-(methylthio)-6-oxo-2-phenyl-1(6H)-pyrimidinyl]- (9CI) (CA INDEX NAME)



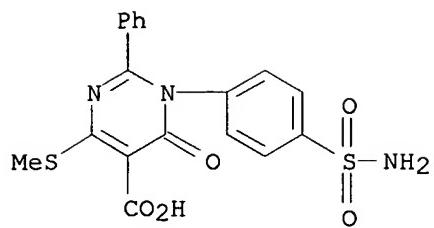
RN 613664-07-6 CAPLUS

CN Benzenesulfonamide, 4-[5-cyano-2-(4-methylphenyl)-4-(methylthio)-6-oxo-1(6H)-pyrimidinyl]- (9CI) (CA INDEX NAME)



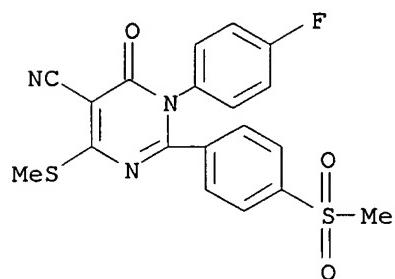
RN 613664-08-7 CAPLUS

CN 5-Pyrimidinecarboxylic acid, 1-[4-(aminosulfonyl)phenyl]-1,6-dihydro-4-(methylthio)-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



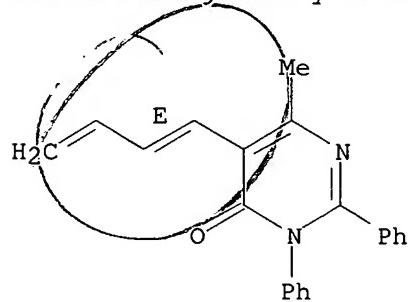
RN 613664-09-8 CAPLUS

CN 5-Pyrimidinecarbonitrile, 1-(4-fluorophenyl)-1,6-dihydro-2-[4-(methylsulfonyl)phenyl]-4-(methylthio)-6-oxo- (9CI) (CA INDEX NAME)



L7 ANSWER 13 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2002:173491 CAPLUS  
 DN 137:232609  
 TI Tandem sigmatropic shifts in [4 + 2] cycloaddition reactions of 1,3-diazabuta-1,3-dienes with butadienylketene: synthesis of pyrimidinone derivatives  
 AU Sharma, Arun K.; Jayakumar, S.; Hundal, Maninder S.; Mahajan, Mohinder P.  
 CS Department of Pharmaceutical Sciences, Guru Nanak Dev University, Amritsar, 143005, India  
 SO Journal of the Chemical Society, Perkin Transactions 1 (2002), (6), 774-784  
 CODEN: JCSPCE; ISSN: 1472-7781  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 OS CASREACT 137:232609  
 AB The reactions of 4-dialkylamino substituted 1,3-diazabuta-1,3-dienes with butadienylketene (I), are shown to be [4 + 2] cycloaddns. to yield 5-(buta-1,3-dienyl)pyrimidinone and tandem [1,5]H and [1,5]SMe shifts are shown to accompany the [4 + 2] cycloaddn. reactions of 4-dialkylamino-4-methylthio substituted 1,3-diazabuta-1,3-dienes with I. The regioselective reactions of N-arylamino-1,3-diazabuta-1,3-dienes with I yield 5-(buta-1,3-dienyl)-2-dialkylaminopyrimidin-4(3H)-one and a mixture of 5-(buta-1,3-dienyl)-2-methylthiopyrimidin-4(3H)-one, 2-methylthio-5-[1-(N-phenylamino)but-2-enyl]pyrimidin-4(3H)-one and 2-methylthio-5-[3-(N-phenylamino)but-1-enyl]pyrimidin-4(3H)-one, resp. Tandem [1,5]H, [1,3]NHPH and [1,5]NHPH shifts are involved in the formation of the latter pyrimidinones. The Diels-Alder reactions of the 5-dienylpyrimidinones with di-Me acetylenedicarboxylate and 4-phenyl-1,2,4-triazoline-3,5-dione yielded corresponding cycloadducts.  
 IT 214912-62-6P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (tandem sigmatropic shifts in [4 + 2] cycloaddn. reactions of 1,3-diazabuta-1,3-dienes with butadienylketene to form pyrimidinone derivs.)  
 RN 214912-62-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-6-methyl-2,3-diphenyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 214912-50-2P 214912-51-3P 214912-53-5P  
 214912-56-8P 214912-57-9P 214912-58-0P  
 214912-61-5P 459175-73-6P 459175-78-1P  
 459175-82-7P 459175-86-1P 459176-01-3P  
 459176-05-7P 459176-09-1P 459176-15-9P

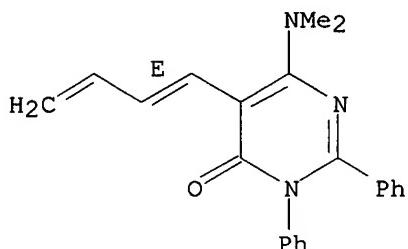
459177-29-8P 459177-35-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (tandem sigmatropic shifts in [4 + 2] cycloaddn. reactions of  
 1,3-diazabuta-1,3-dienes with butadienylketene to form pyrimidinone  
 derivs.)

RN 214912-50-2 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-6-(dimethylamino)-2,3-diphenyl-  
 (9CI) (CA INDEX NAME)

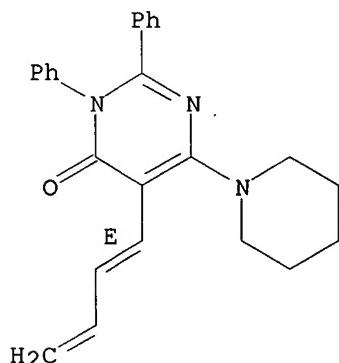
Double bond geometry as shown.



RN 214912-51-3 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-2,3-diphenyl-6-(1-piperidinyl)-  
 (9CI) (CA INDEX NAME)

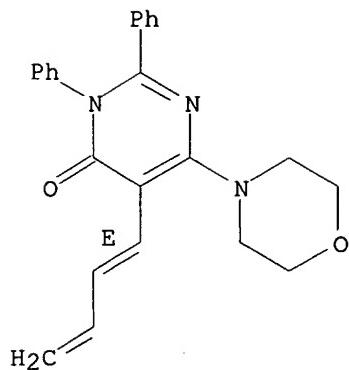
Double bond geometry as shown.



RN 214912-53-5 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-6-(4-morpholinyl)-2,3-diphenyl-  
 (9CI) (CA INDEX NAME)

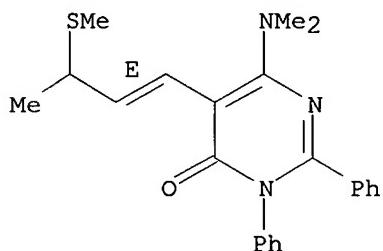
Double bond geometry as shown.



RN 214912-56-8 CAPLUS

CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-5-[(1E)-3-(methylthio)-1-butenyl]-2,3-diphenyl- (9CI) (CA INDEX NAME)

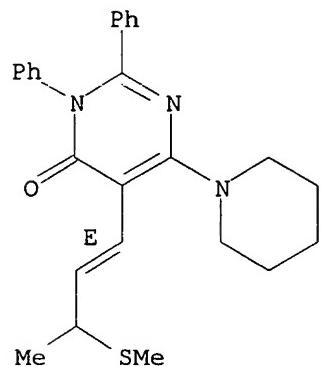
Double bond geometry as shown.



RN 214912-57-9 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[(1E)-3-(methylthio)-1-butenyl]-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)

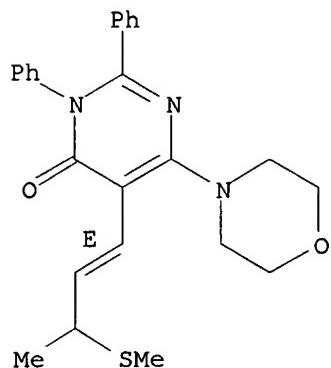
Double bond geometry as shown.



RN 214912-58-0 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[(1E)-3-(methylthio)-1-butenyl]-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)

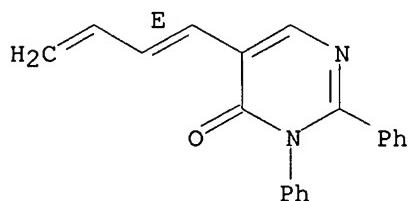
Double bond geometry as shown.



RN 214912-61-5 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-2,3-diphenyl- (9CI) (CA INDEX NAME)

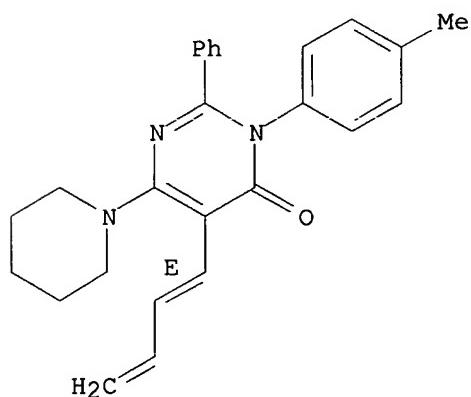
Double bond geometry as shown.



RN 459175-73-6 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-3-(4-methylphenyl)-2-phenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)

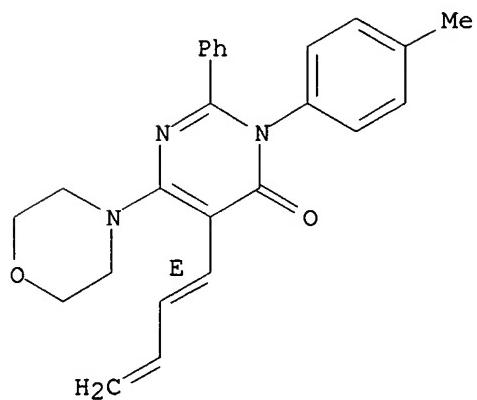
Double bond geometry as shown.



RN 459175-78-1 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-3-(4-methylphenyl)-6-(4-morpholinyl)-2-phenyl- (9CI) (CA INDEX NAME)

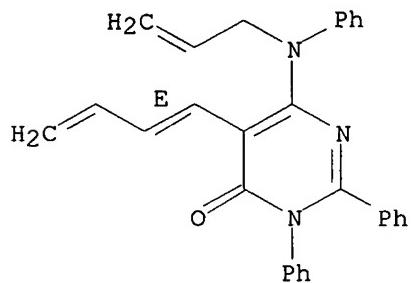
Double bond geometry as shown.



RN 459175-82-7 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-2,3-diphenyl-6-(phenyl-2-propenylamino)- (9CI) (CA INDEX NAME)

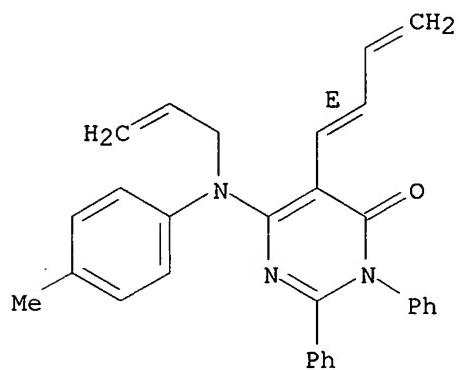
Double bond geometry as shown.



RN 459175-86-1 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-6-[ (4-methylphenyl)-2-propenylamino]-2,3-diphenyl- (9CI) (CA INDEX NAME)

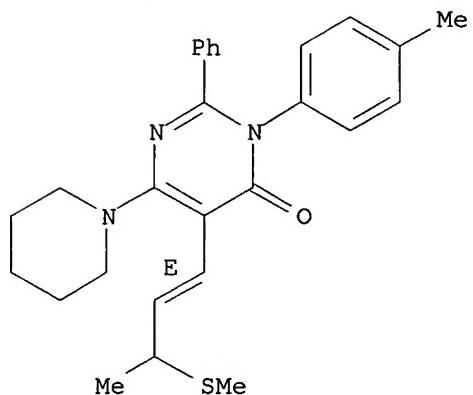
Double bond geometry as shown.



RN 459176-01-3 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-5-[(1E)-3-(methylthio)-1-butenyl]-2-phenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)

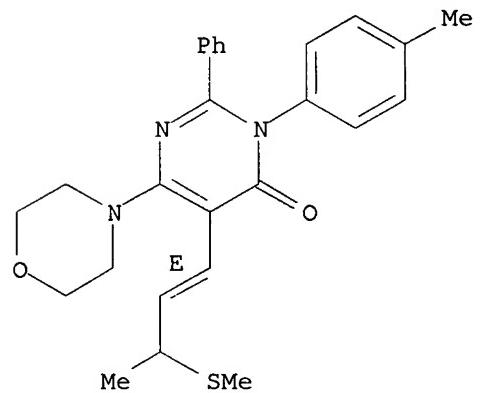
Double bond geometry as shown.



RN 459176-05-7 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-5-[(1E)-3-(methylthio)-1-butenyl]-6-(4-morpholinyl)-2-phenyl- (9CI) (CA INDEX NAME)

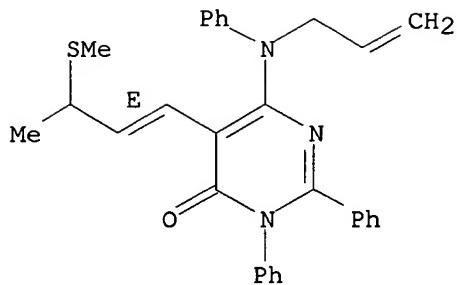
Double bond geometry as shown.



RN 459176-09-1 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[(1E)-3-(methylthio)-1-butenyl]-2,3-diphenyl-6-(phenyl-2-propenylamino)- (9CI) (CA INDEX NAME)

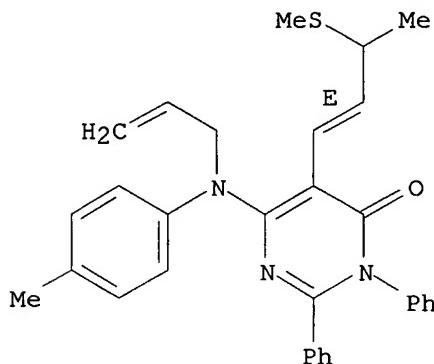
Double bond geometry as shown.



RN 459176-15-9 CAPLUS

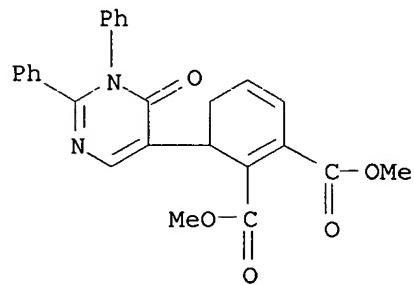
CN 4(3H)-Pyrimidinone, 6-[(4-methylphenyl)-2-propenylamino]-5-[(1E)-3-(methylthio)-1-butenyl]-2,3-diphenyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



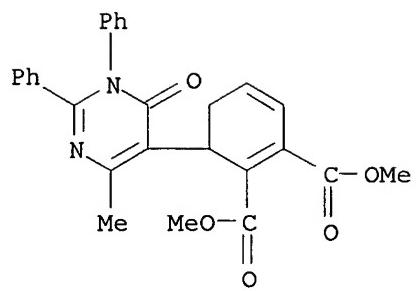
RN 459177-29-8 CAPLUS

CN 1,3-Cyclohexadiene-1,2-dicarboxylic acid, 6-(1,6-dihydro-6-oxo-1,2-diphenyl-5-pyrimidinyl)-, dimethyl ester (9CI) (CA INDEX NAME)



RN 459177-35-6 CAPLUS

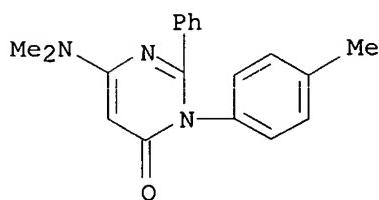
CN 1,3-Cyclohexadiene-1,2-dicarboxylic acid, 6-(1,6-dihydro-4-methyl-6-oxo-1,2-diphenyl-5-pyrimidinyl)-, dimethyl ester (9CI) (CA INDEX NAME)



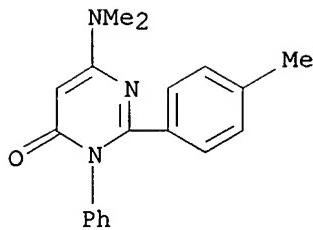
RE.CNT 34

THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

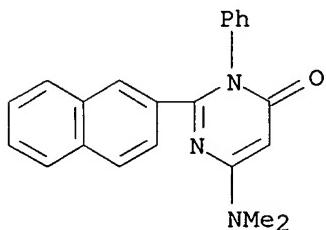
L7 ANSWER 14 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2002:33216 CAPLUS  
 DN 136:340653  
 TI A facile synthesis of 4(3H)-pyrimidinones via [4+2] cycloaddition utilizing (trimethylsilyl)ketene  
 AU Arai, Shigeru; Sakurai, Takuya; Asakura, Hitomi; Fuma, Shin-Ya; Shioiri, Takayuki; Aoyama, Toyohiko  
 CS Graduate School of Pharmaceutical Sciences, Nagoya City University, Nagoya, 467-8603, Japan  
 SO Heterocycles (2001), 55(12), 2283-2287  
 CODEN: HTCYAM; ISSN: 0385-5414  
 PB Japan Institute of Heterocyclic Chemistry  
 DT Journal  
 LA English  
 OS CASREACT 136:340653  
 AB The [4+2]cycloaddn. reaction utilizing (trimethylsilyl)ketene with 1,3-diaza-1,3-dienes smoothly proceeded to give the desired cycloadducts, 4(3H)-pyrimidinones, in moderate to high yields. The 1,3-diaza-1,3-dienes included N-[(dimethylamino)methylene]-N'-phenylbenzenecarboximidamide, N-[(dimethylamino)methylene]-N'-(4-methylphenyl)benzenecarboximidamide, N-[(dimethylamino)methylene]-4-methyl-N'-phenylbenzenecarboximidamide, N-[(dimethylamino)methylene]-N'-phenyl-2-naphthalenecarboximidamide, [(dimethylamino)methylene]phenylcarbamimidothioic acid Me ester, and similar compds. For example, the cycloaddn. of (trimethylsilyl)ketene with N-[(dimethylamino)methylene]-N'-phenylbenzenecarboximidamide gave 2,3-diphenyl-4(3H)-pyrimidinone (I) in 94% yield in Et acetate. When the reaction was run in toluene as solvent the yield of I was 60% and 6-(dimethylamino)-2,3-diphenyl-4(3H)-pyrimidinone (21%) was obtained as byproduct.  
 IT 130542-39-1P 417755-31-8P 417755-42-1P  
 417755-47-6P  
 RL: BYP (Byproduct); PREP (Preparation)  
 (preparation of 4(3H)-pyrimidinones via [4+2] cycloaddn. of (trimethylsilyl)ketene with 1,3-diaza-1,3-dienes)  
 RN 130542-39-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-3-(4-methylphenyl)-2-phenyl- (9CI)  
 (CA INDEX NAME)



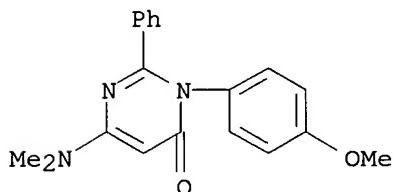
RN 417755-31-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-2-(4-methylphenyl)-3-phenyl- (9CI)  
 (CA INDEX NAME)



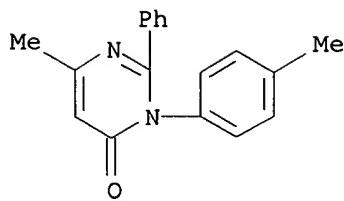
RN 417755-42-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-2-(2-naphthalenyl)-3-phenyl- (9CI)  
 (CA INDEX NAME)



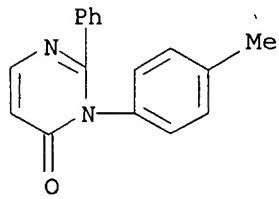
RN 417755-47-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-3-(4-methoxyphenyl)-2-phenyl- (9CI)  
 (CA INDEX NAME)



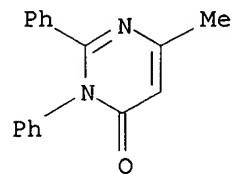
IT 1925-00-4P 80306-49-6P 80306-50-9P  
 89069-59-0P, 2,3-Diphenyl-4(3H)-Pyrimidinone 89069-65-8P  
 130542-35-7P, 6-(Dimethylamino)-2,3-diphenyl-4(3H)-Pyrimidinone  
 130542-42-6P 417754-93-9P 417755-03-4P  
 417755-08-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of 4(3H)-pyrimidinones via [4+2] cycloaddn. of  
 (trimethylsilyl)ketene with 1,3-diaza-1,3-dienes)  
 RN 1925-00-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-methyl-3-(4-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



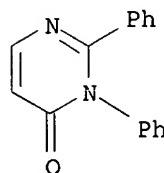
RN 80306-49-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



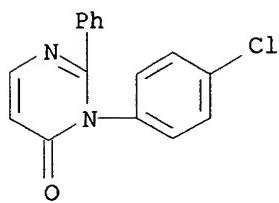
RN 80306-50-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-methyl-2,3-diphenyl- (9CI) (CA INDEX NAME)



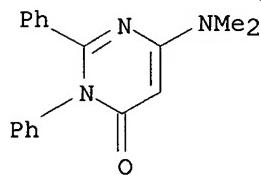
RN 89069-59-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3-diphenyl- (9CI) (CA INDEX NAME)



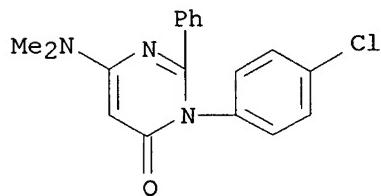
RN 89069-65-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



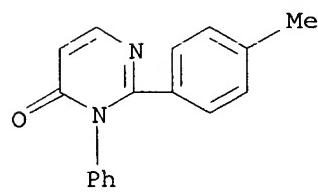
RN 130542-35-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-2,3-diphenyl- (9CI) (CA INDEX NAME)



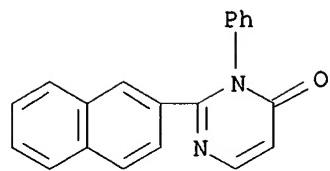
RN 130542-42-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-6-(dimethylamino)-2-phenyl- (9CI)  
 (CA INDEX NAME)



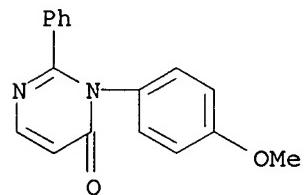
RN 417754-93-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2-(4-methylphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



RN 417755-03-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2-(2-naphthalenyl)-3-phenyl- (9CI) (CA INDEX NAME)

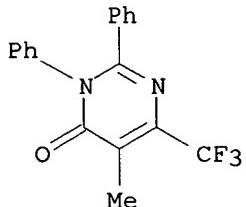


RN 417755-08-9 CAPLUS  
CN 4 (3H)-Pyrimidinone, 3- (4-methoxyphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



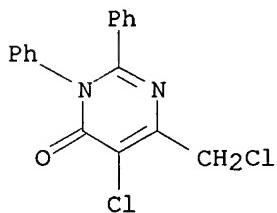
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 15 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2001:222357 CAPLUS  
 DN 135:76839  
 TI Regiocontrolled synthesis of 3-substituted-6-trifluoromethyl-4(3H)-pyrimidinones  
 AU Tice, C. M.; Bryman, L. M.  
 CS Rohm and Haas Company, Spring House, PA, 19477-0904, USA  
 SO Tetrahedron (2001), 57(14), 2689-2700  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 OS CASREACT 135:76839  
 AB Direct reaction of a variety of N-monosubstituted benzamidines with 4,4,4-trifluoroacetoacetate esters substituted at the 2-position with Me, Et or methoxy afforded moderate to good yields of herbicidal 3-substituted-6-trifluoromethyl-4(3H)-pyrimidinones. Lower yields were obtained with the corresponding 4,4-difluoroacetoacetate esters and the reaction failed with nonfluorinated  $\beta$ -ketoesters. In addition to benzamidines, 3- and 4-pyridylcarboxamidines reacted successfully. The reaction tolerated Pr, -allyl, propargyl and Ph substituents on the amidine nitrogen.  
 IT 346709-67-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 346709-67-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-methyl-2,3-diphenyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

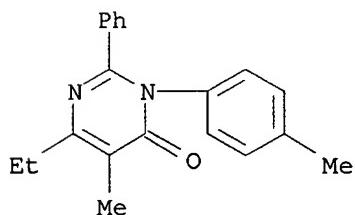


RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 16 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2001:167318 CAPLUS  
 DN 135:19600  
 TI Tandem [4+2]-cycloaddition versus electrocyclisation reactions of 1-aryl-2-phenyl-5-alkyl/aryl-1,3-diazapenta-1,3,4-trienes in aza-Wittig reactions of N'-aryl-N-(triphenylphosphoranylidene)benzenecarboximidamides with ketenes  
 AU Jayakumar, S.; Kumar, V.; Mahajan, M. P.  
 CS Department of Pharmaceutical Sciences, Guru Nanak Dev University, Punjab, 143005, India  
 SO Tetrahedron Letters (2001), 42(11), 2235-2237  
 CODEN: TELEAY; ISSN: 0040-4039  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 OS CASREACT 135:19600  
 AB 1-Aryl-2-phenyl-5-alkyl/aryl-1,3-diazapenta-1,3,4-trienes can be easily obtained by aza-Wittig reaction of N'-aryl-N-(triphenylphosphoranylidene)carboximidamides with ketenes RR<sub>1</sub>C:C:O (R = H with R<sub>1</sub> = Cl, Me, Ph; R, R<sub>1</sub> = Ph) and selectively utilized in intermol. [4+2] cycloaddn./electrocyclization leading to pyrimidinones I (R = H, Me; R<sub>1</sub> = Cl, Me, Ph) and quinazolines II (R = H, Me), resp.  
 IT 342653-38-7P 342653-39-8P 342653-40-1P  
 342653-41-2P 342653-42-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (tandem [4+2]-cycloaddn. vs. electrocyclization of diazapentatrienes in aza-Wittig reaction of N-phosphoranylidenebenzenecarboximidamides with ketenes)  
 RN 342653-38-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-chloro-6-(chloromethyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)

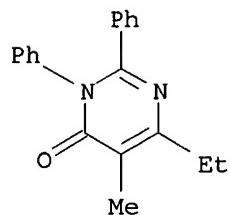


RN 342653-39-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-ethyl-5-methyl-3-(4-methylphenyl)-2-phenyl- (9CI)  
 (CA INDEX NAME)



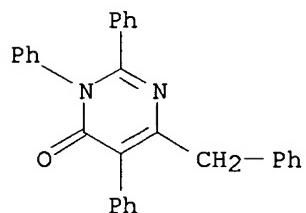
RN 342653-40-1 CAPLUS

CN 4(3H)-Pyrimidinone, 6-ethyl-5-methyl-2,3-diphenyl- (9CI) (CA INDEX NAME)



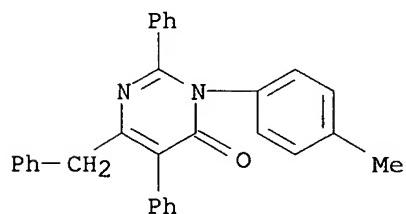
RN 342653-41-2 CAPLUS

CN 4(3H)-Pyrimidinone, 2,3,5-triphenyl-6-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 342653-42-3 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,5-diphenyl-6-(phenylmethyl)- (9CI) (CA INDEX NAME)



RE.CNT 27

THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 17 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:621674 CAPLUS

DN 129:343462

TI Synthesis of tricarbonylmethane derivatives of pyridines, pyrimidines, pyridazines, and pyrazoles by anionic ortho-Fries rearrangement

AU Schnell, Barbara; Kappe, Thomas

CS Institute Organic Chemistry, Karl Franzens University, Graz, A-8010, Austria

SO Monatshefte fuer Chemie (1998), 129(8/9), 871-885  
 CODEN: MOCMB7; ISSN: 0026-9247.

PB Springer-Verlag Wien

DT Journal

LA English

OS CASREACT 129:343462

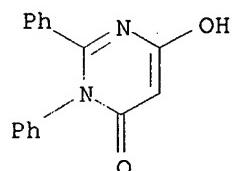
AB Heterocyclic 1,3-dicarbonyl systems, such as 4-hydroxy-2-pyridones, 6-hydroxy-4-pyrimidones, and 5-hydroxy-1-phenyl-3-pyrazolones, are converted with a number of aromatic acid chlorides to their enol esters which can be rearranged in the presence of KCN, Et<sub>3</sub>N, and 18-crown-6 as catalyst to yield heterocyclic aryl ketones. This reaction can also be performed in a 1-pot procedure without isolation of the esters. Aryl esters of 5-hydroxy-3-pyridazinone are prepared in the same manner, but can not be rearranged.

IT 91520-57-9

RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of tricarbonylmethane derivs. of pyridines, pyrimidines, pyridazines, and pyrazoles by anionic ortho-Fries rearrangement)

RN 91520-57-9 CAPLUS

CN 4(3H)-Pyrimidinone, 6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)

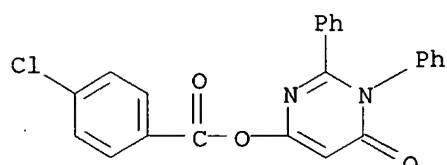


IT 215609-28-2P 215609-31-7P 215609-32-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of tricarbonylmethane derivs. of pyridines, pyrimidines, pyridazines, and pyrazoles by anionic ortho-Fries rearrangement)

RN 215609-28-2 CAPLUS

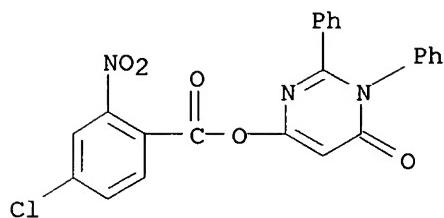
CN Benzoic acid, 4-chloro-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester (9CI) (CA INDEX NAME)



RN 215609-31-7 CAPLUS

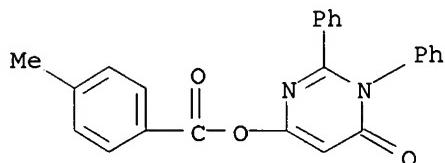
CN Benzoic acid, 4-chloro-2-nitro-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-

pyrimidinyl ester (9CI) (CA INDEX NAME)



RN 215609-32-8 CAPLUS

CN Benzoic acid, 4-methyl-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester (9CI) (CA INDEX NAME)



IT 215609-27-1P 215609-29-3P 215609-30-6P

215609-33-9P 215609-34-0P 215609-35-1P

215609-36-2P 215609-37-3P 215609-38-4P

215609-39-5P 215609-40-8P 215609-41-9P

215609-42-0P 215609-43-1P 215609-44-2P

215609-45-3P 215609-46-4P 215609-47-5P

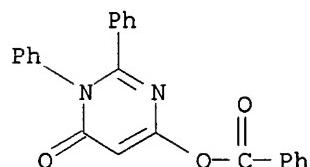
215609-48-6P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of tricarbonylmethane derivs. of pyridines, pyrimidines, pyridazines, and pyrazoles by anionic ortho-Fries rearrangement)

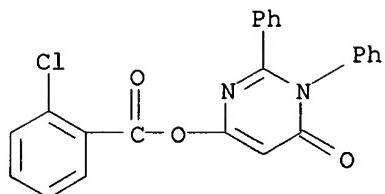
RN 215609-27-1 CAPLUS

CN 4(3H)-Pyrimidinone, 6-(benzoyloxy)-2,3-diphenyl- (9CI) (CA INDEX NAME)

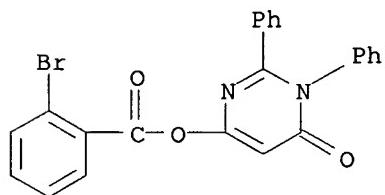


RN 215609-29-3 CAPLUS

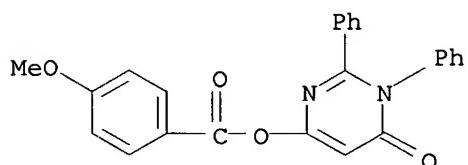
CN Benzoic acid, 2-chloro-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester (9CI) (CA INDEX NAME)



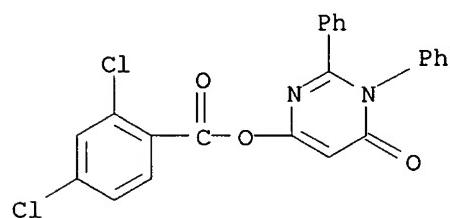
RN 215609-30-6 CAPLUS  
 CN Benzoic acid, 2-bromo-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester  
 (9CI) (CA INDEX NAME)



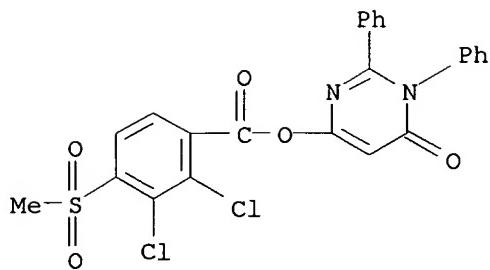
RN 215609-33-9 CAPLUS  
 CN Benzoic acid, 4-methoxy-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester  
 (9CI) (CA INDEX NAME)



RN 215609-34-0 CAPLUS  
 CN Benzoic acid, 2,4-dichloro-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester  
 (9CI) (CA INDEX NAME)

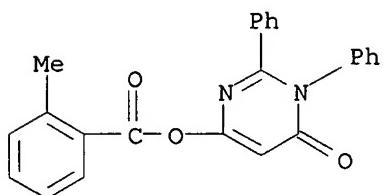


RN 215609-35-1 CAPLUS  
 CN Benzoic acid, 2,3-dichloro-4-(methylsulfonyl)-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester  
 (9CI) (CA INDEX NAME)



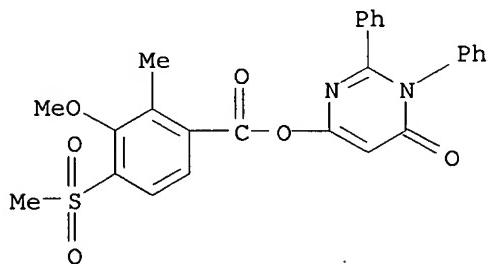
RN 215609-36-2 CAPLUS

CN Benzoic acid, 2-methyl-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester (9CI) (CA INDEX NAME)



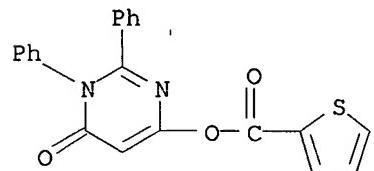
RN 215609-37-3 CAPLUS

CN Benzoic acid, 3-methoxy-2-methyl-4-(methylsulfonyl)-, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester (9CI) (CA INDEX NAME)



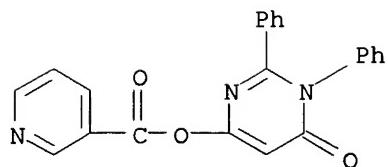
RN 215609-38-4 CAPLUS

CN 2-Thiophenecarboxylic acid, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester (9CI) (CA INDEX NAME)

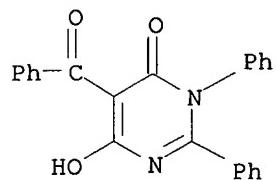


RN 215609-39-5 CAPLUS

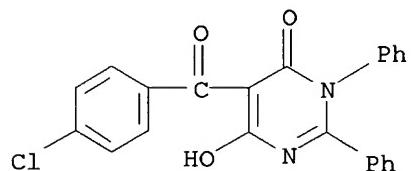
CN 3-Pyridinecarboxylic acid, 1,6-dihydro-6-oxo-1,2-diphenyl-4-pyrimidinyl ester (9CI) (CA INDEX NAME)



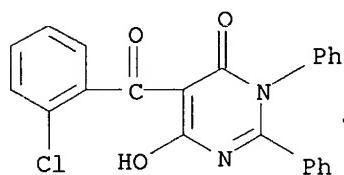
RN 215609-40-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-benzoyl-6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



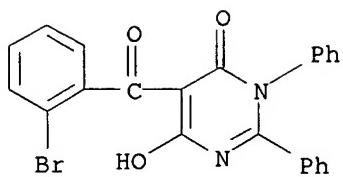
RN 215609-41-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(4-chlorobenzoyl)-6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



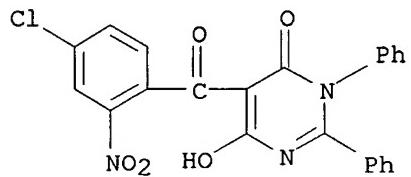
RN 215609-42-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(2-chlorobenzoyl)-6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



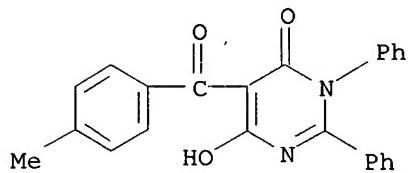
RN 215609-43-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(2-bromobenzoyl)-6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



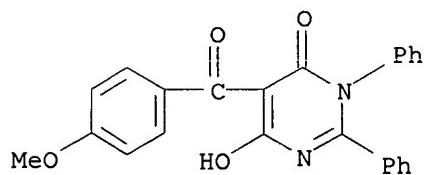
RN 215609-44-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(4-chloro-2-nitrobenzoyl)-6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



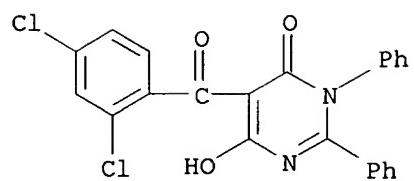
RN 215609-45-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-5-(4-methylbenzoyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



RN 215609-46-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-5-(4-methoxybenzoyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)

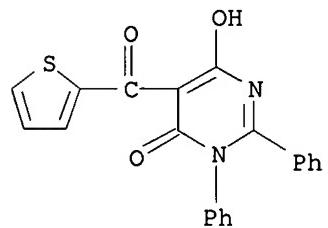


RN 215609-47-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(2,4-dichlorobenzoyl)-6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



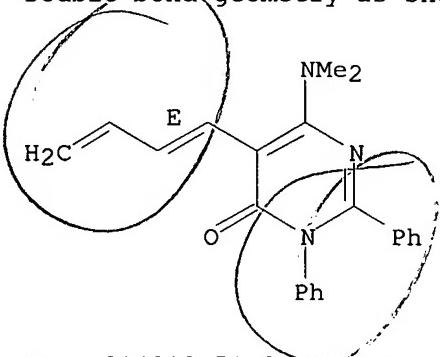
RN 215609-48-6 CAPIUS

CN 4(3H)-Pyrimidinone, 6-hydroxy-2,3-diphenyl-5-(2-thienylcarbonyl)- (9CI)  
(CA INDEX NAME)



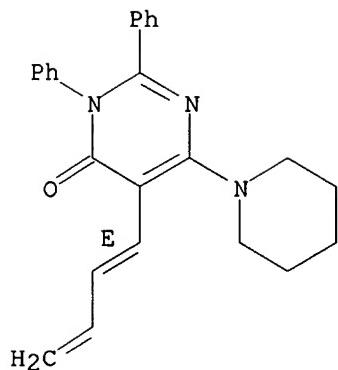
L7 ANSWER 18 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:603836 CAPLUS  
 DN 129:316188  
 TI Synthesis of 5-dienyl pyrimidinones and tandem [1,5] shifts in [4+2] cycloadditions of 1,3-diazabuta-1,3-dienes with butadienylketene  
 AU Sharma, Arun K.; Jayakumar, S.; Mahajan, Mohinder P.  
 CS Department of Chemistry, North-Eastern Hill University, Meghalaya, 793 003, India  
 SO Tetrahedron Letters (1998), 39(39), 7205-7208  
 CODEN: TELEAY; ISSN: 0040-4039  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 OS CASREACT 129:316188  
 AB The reactions of 1-aryl-2-phenyl-4-methylthio-4-secondary amino/4-N-allyl-N-arylamino-1,3-diazabuta-1,3-dienes with butadienylketene (1,3,5-hexatrien-1-one) leading to a mixture of 5-dienylpyrimidinones and 5-(butadienyl)pyrimidinones are reported. Tandem [1,5]H and [1.5]SMe shifts are invoked to explain the formation of pyrimidinone derivs.  
 IT 214912-50-2P 214912-51-3P 214912-53-5P  
 214912-54-6P 214912-56-8P 214912-57-9P  
 214912-58-0P 214912-59-1P 214912-61-5P  
 214912-62-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 214912-50-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-6-(dimethylamino)-2,3-diphenyl- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 214912-51-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)

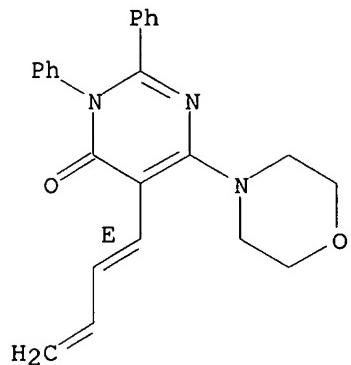
Double bond geometry as shown.



RN 214912-53-5 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)

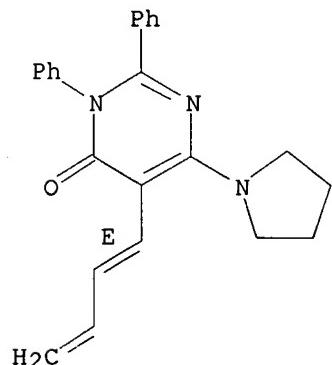
Double bond geometry as shown.



RN 214912-54-6 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)

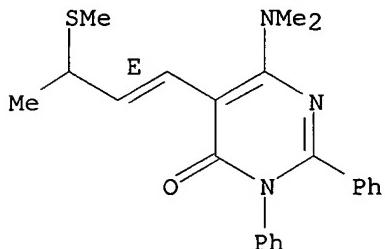
Double bond geometry as shown.



RN 214912-56-8 CAPLUS

CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-5-[(1E)-3-(methylthio)-1-butenyl]-  
2,3-diphenyl- (9CI) (CA INDEX NAME)

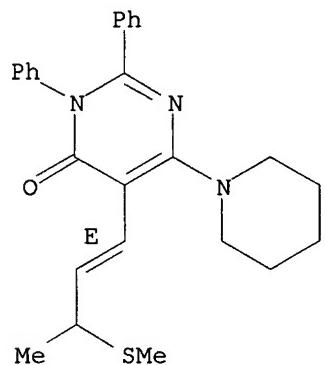
Double bond geometry as shown.



RN 214912-57-9 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[(1E)-3-(methylthio)-1-butenyl]-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)

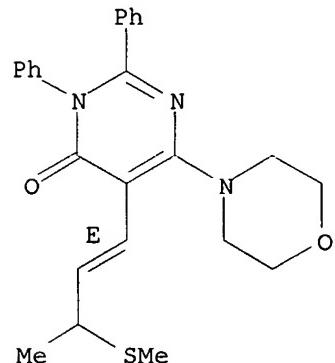
Double bond geometry as shown.



RN 214912-58-0 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[(1E)-3-(methylthio)-1-butenyl]-6-(4-morpholinyl)-  
2,3-diphenyl- (9CI) (CA INDEX NAME)

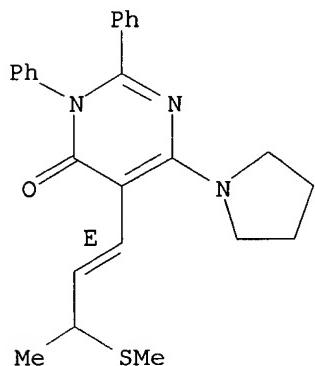
Double bond geometry as shown.



RN 214912-59-1 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[(1E)-3-(methylthio)-1-butenyl]-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)

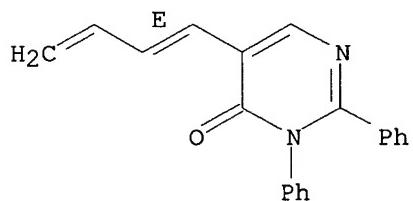
Double bond geometry as shown.



RN 214912-61-5 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-2,3-diphenyl- (9CI) (CA INDEX NAME)

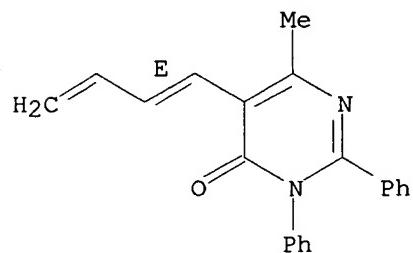
Double bond geometry as shown.



RN 214912-62-6 CAPLUS

CN 4(3H)-Pyrimidinone, 5-(1E)-1,3-butadienyl-6-methyl-2,3-diphenyl- (9CI) (CA INDEX NAME)

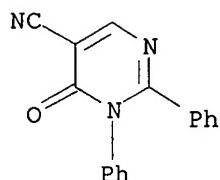
Double bond geometry as shown.



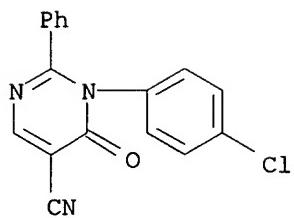
RE.CNT 24

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

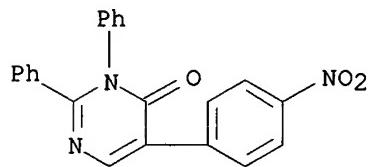
L7 ANSWER 19 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:228246 CAPLUS  
 DN 128:308465  
 TI [2+2] Versus [4+2] cycloaddition reactions of 1,3-diaza-1,3-butadienes with various mono- and disubstituted ketenes and supporting mechanistic considerations  
 AU Mukherjee, Sucharita; Mazumdar, Sujit N.; Sharma, Arun K.; Mahajan, Mohinder P.  
 CS Department Chemistry, North-Eastern Hill University, Meghalaya, 793 003, India  
 SO Heterocycles (1998), 47(2), 933-950  
 CODEN: HTCYAM; ISSN: 0385-5414  
 PB Japan Institute of Heterocyclic Chemistry  
 DT Journal  
 LA English  
 OS CASREACT 128:308465  
 AB Reactions of 1,3-diaza-1,3-butadienes with various mono- and disubstituted ketenes along with the associated interesting mechanistic features involved are reported. Reactions of 1,3-diazabutadienes with monosubstituted ketenes e.g. cyano-, p-nitrophenyl-, succinimido-, phthalimido- and phenoxyketenes gave [4+2] cycloadducts irresp. of the nature of azadiene and/or ketene substituents. However, diphenylketene underwent [2+2] cycloaddn. reactions with 1,3-diazabutadienes RN:CPhN:CHNMe<sub>2</sub> [R = (un)substituted Ph] and gave [4+2] adducts with RN:C(SMe)N:CHNMe<sub>2</sub>, having an electron donating function at the 2-position. Interestingly, the reactions of 4-(N-aryl amino)-1,3-diaza-1,3-butadienes with diphenylketene gave simple nucleophilic addition products, whereas their reaction with dimethylketene yielded [4+2] cycloadducts. The factors influencing [2+2] vs. [4+2] cyclic vs. acyclic products are also discussed.  
 IT 206535-33-3P 206535-34-4P 206535-37-7P  
 206535-38-8P 206535-40-2P 206535-41-3P  
 206535-44-6P 206535-45-7P 206535-47-9P  
 206535-48-0P 206535-51-5P 206535-52-6P  
 206535-53-7P 206535-54-8P 206535-55-9P  
 206535-56-0P 206535-57-1P 206535-58-2P  
 206535-59-3P 206535-60-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 ([2+2] vs. [4+2] cycloaddn. reactions of 1,3-diaza-1,3-butadienes with mono- and disubstituted ketenes)  
 RN 206535-33-3 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-6-oxo-1,2-diphenyl- (9CI) (CA INDEX NAME)



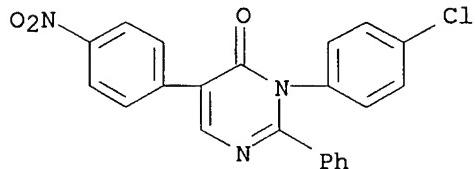
RN 206535-34-4 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1-(4-chlorophenyl)-1,6-dihydro-6-oxo-2-phenyl- (9CI) (CA INDEX NAME)



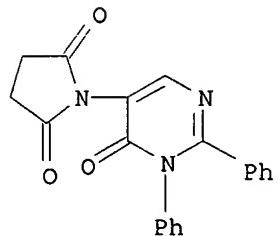
RN 206535-37-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(4-nitrophenyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)

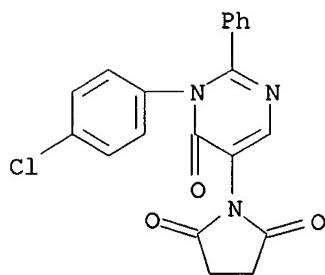


RN 206535-38-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-5-(4-nitrophenyl)-2-phenyl- (9CI) (CA INDEX NAME)

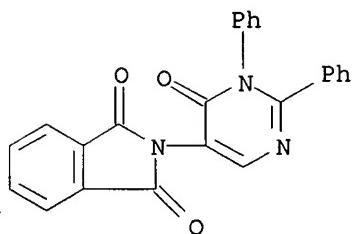


RN 206535-40-2 CAPLUS  
 CN 2,5-Pyrrolidinedione, 1-(1,6-dihydro-6-oxo-1,2-diphenyl-5-pyrimidinyl)- (9CI) (CA INDEX NAME)

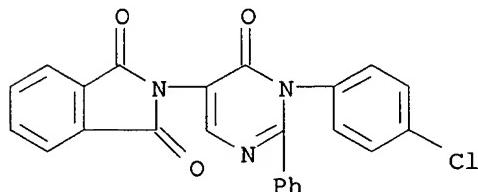




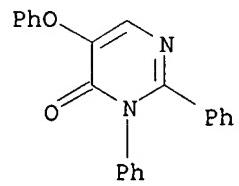
RN 206535-44-6 CAPLUS  
 CN 1H-Isoindole-1,3(2H)-dione, 2-(1,6-dihydro-6-oxo-1,2-diphenyl-5-pyrimidinyl)- (9CI) (CA INDEX NAME)



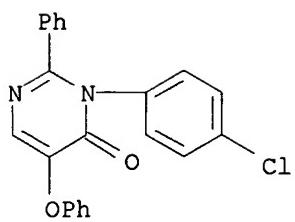
RN 206535-45-7 CAPLUS  
 CN 1H-Isoindole-1,3(2H)-dione, 2-[1-(4-chlorophenyl)-1,6-dihydro-6-oxo-2-phenyl-5-pyrimidinyl]- (9CI) (CA INDEX NAME)



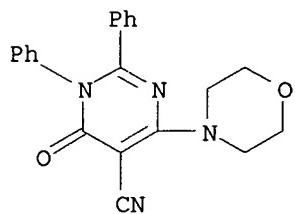
RN 206535-47-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-phenoxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



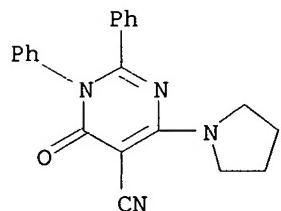
RN 206535-48-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-5-phenoxy-2-phenyl- (9CI) (CA INDEX NAME)



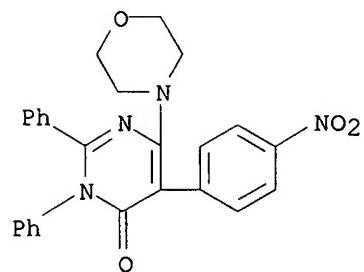
RN 206535-51-5 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(4-morpholinyl)-6-oxo-1,2-diphenyl-  
       (9CI) (CA INDEX NAME)



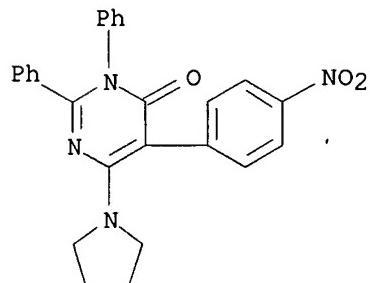
RN 206535-52-6 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-6-oxo-1,2-diphenyl-4-(1-  
       pyrrolidinyl)- (9CI) (CA INDEX NAME)



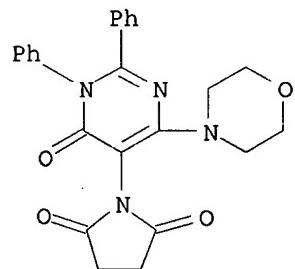
RN 206535-53-7 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 6-(4-morpholinyl)-5-(4-nitrophenyl)-2,3-diphenyl-  
       (9CI) (CA INDEX NAME)



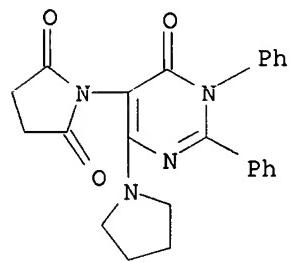
RN 206535-54-8 CAPLUS

CN 4 (3H)-Pyrimidinone, 5-(4-nitrophenyl)-2,3-diphenyl-6-(1-pyrrolidinyl)-  
(9CI) (CA INDEX NAME)

RN 206535-55-9 CAPLUS

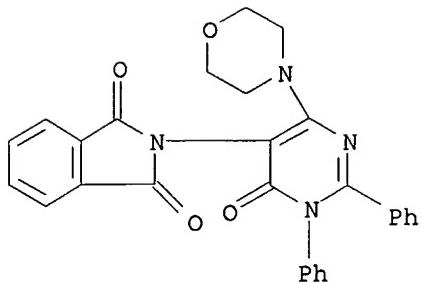
CN 2,5-Pyrrolidinedione, 1-[1,6-dihydro-4-(4-morpholinyl)-6-oxo-1,2-diphenyl-  
5-pyrimidinyl]- (9CI) (CA INDEX NAME)

RN 206535-56-0 CAPLUS

CN 2,5-Pyrrolidinedione, 1-[1,6-dihydro-6-oxo-1,2-diphenyl-4-(1-pyrrolidinyl)-  
5-pyrimidinyl]- (9CI) (CA INDEX NAME)

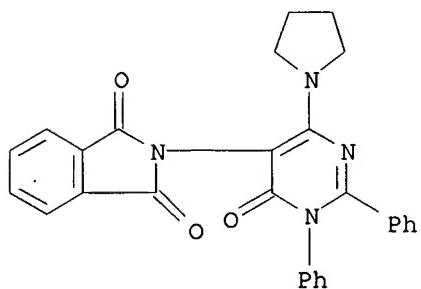
RN 206535-57-1 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[1,6-dihydro-4-(4-morpholinyl)-6-oxo-1,2-  
diphenyl-5-pyrimidinyl]- (9CI) (CA INDEX NAME)



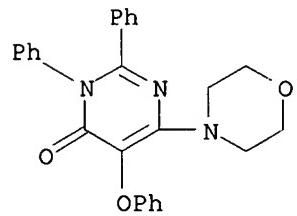
RN 206535-58-2 CAPLUS

CN 1H-Isoindole-1,3(2H)-dione, 2-[1,6-dihydro-6-oxo-1,2-diphenyl-4-(1-pyrrolidinyl)-5-pyrimidinyl]- (9CI) (CA INDEX NAME)



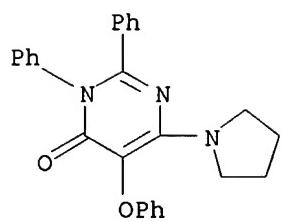
RN 206535-59-3 CAPLUS

CN 4(3H)-Pyrimidinone, 6-(4-morpholinyl)-5-phenoxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



RN 206535-60-6 CAPLUS

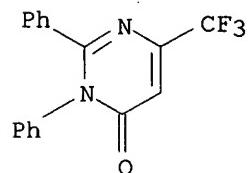
CN 4(3H)-Pyrimidinone, 5-phenoxy-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

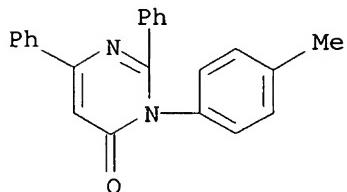
L7 ANSWER 20 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:178148 CAPLUS  
 DN 128:227320  
 TI Preparation of 2-arylpyrimidines as herbicides  
 IN Tice, Colin Michael; Musco, Vincent Angelo; Roemmele, Renee Caroline;  
 Warner, Harlow Lester  
 PA Rohm and Haas Co., USA  
 SO U.S., 30 pp., Cont.-in-part of U.S. 5,453,414.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5726124	A	19980310	US 1994-331249	19941028
	US 5300477	A	19940405	US 1993-62802	19930520
	US 5453414	A	19950926	US 1994-185579	19940118
	EP 663396	A1	19950719	EP 1994-309757	19941223
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	AU 9481812	A1	19950727	AU 1994-81812	19941230
	AU 697648	B2	19981015		
	CA 2140182	AA	19950719	CA 1995-2140182	19950113
	HU 70087	A2	19950928	HU 1995-135	19950117
	CN 1109879	A	19951011	CN 1995-101695	19950117
	BR 9500248	A	19951017	BR 1995-248	19950118
	JP 07278119	A2	19951024	JP 1995-23485	19950118
PRAI	US 1992-916247	B2	19920717		
	US 1993-62802	A2	19930520		
	US 1994-185579	A2	19940118		
	US 1994-331249	A	19941028		
OS	CASREACT 128:227320; MARPAT 128:227320				
AB	The 2-arylpyrimidines I [R= acyl, alkoxyalkyl, alkoxyimino, dialkoxyalkyl, formyl, hydroxyalkyl, alkoxyalkoxy, cyanoalkyl or hydroxyimino; R1 = H, halo, alkyl, haloalkyl, aryl or alkoxy; R2 = (un)substituted aryl; R3 = saturated or unsatd. alkyl; X = O or S] are prepared as herbicides.				
IT	158713-67-8P RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation as herbicide)				
RN	158713-67-8 CAPLUS				
CN	4(3H)-Pyrimidinone, 2,3-diphenyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)				



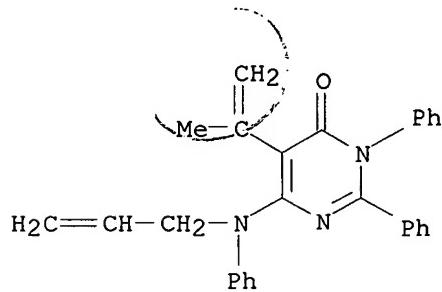
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 21 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1997:681277 CAPLUS  
 DN 127:358828  
 TI [4+2] and [2+2] Cycloaddition reactions of 1-(4-methylphenyl) and  
 1-benzyl-1,3-diaza-1,3-butadienes with ketenes  
 AU Rossi, Elisabetta; Abbiati, Giorgio; Pini, Elena  
 CS Istituto di Chimica Organica, Facolta di Farmacia, Universita degli Studi  
 di Milano, Milan, I-20133, Italy  
 SO Tetrahedron (1997), 53(41), 14107-14114  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier  
 DT Journal  
 LA English  
 AB [4+2] And [2+2] Cycloaddn. reactions of 1-(4-methylphenyl) and  
 1-benzyl-1,3-diaza-1,3-butadienes with monophenyl, di-Ph, monochloro and  
 ethoxycarbonylketenes are described. The mechanism of these reactions is  
 also discussed.  
 IT 89069-84-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (cycloaddn. of (methylphenyl) and benzyl-diazabutadienes with ketenes)  
 RN 89069-84-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX  
 NAME)

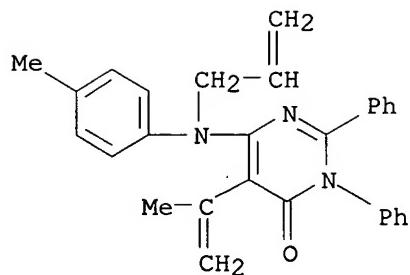


RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 22 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1997:681256 CAPLUS  
 DN 128:3658  
 TI Synthesis and [4+2] cycloaddition reactions of 4-(N-allyl-N-aryl)amino-1,3-diaza-1,3-butadienes with vinyl-, isopropenyl-, and chloroketenes: entry to novel pyrimidinone/fused pyrimidinone derivatives  
 AU Sharma, Arun K.; Mahajan, Mohinder P.  
 CS Department of Chemistry, North-Eastern Hill University, Shillong, 793 003, India  
 SO Tetrahedron (1997), 53(40), 13841-13854  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier  
 DT Journal  
 LA English  
 OS CASREACT 128:3658  
 AB 4-(N-Allyl-N-aryl)amino-1,3-diaza-1,3-butadienes 4-RC<sub>6</sub>H<sub>4</sub>N:CPhN:C(SMe)N(CH<sub>2</sub>CH:CH<sub>2</sub>)C<sub>6</sub>H<sub>4</sub>R<sub>1</sub>-4 (R = H, Me, R<sub>1</sub> = H, Me, OMe), prepared by the treatment of N-arylamino-1,3-diaza-1,3-butadienes 4-RC<sub>6</sub>H<sub>4</sub>N:CPhN:C(SMe)NHC<sub>6</sub>H<sub>4</sub>R<sub>1</sub>-4 with allyl bromide, underwent [4+2] cycloaddns. with vinyl/isopropenyl- and accompanied by rearrangements in case of chloroketenes, to yield 5-vinyl/isopropenyl pyrimidinones I (R<sub>2</sub> = H, Me) and 5-methylthio pyrimidinones II, resp. The pyrimidinones II on refluxing in xylene gave pyrimidoazepines III (R = H, R<sub>1</sub> = R<sub>2</sub> = Me; R = Me, R<sub>2</sub> = OMe, R<sub>2</sub> = Me), underwent annulation reaction, in refluxing benzene in presence of AlCl<sub>3</sub>, to yield pyrimidoquinolines IV and on treatment with DMAD in refluxing toluene, underwent [4+2] cycloaddn. accompanied by the elimination of N-allylarylamine functionality to yield quinazolinone V. Further, the reactions of I with PhSH in the presence of AIBN in refluxing benzene followed unusual radical cyclization involving N-aryl group leading to pyrimidoquinolines VI. The iodocyclization of pyrimidinones II yielded pyrimidothiazines.  
 IT 198702-05-5P 198702-08-8P 198702-11-3P  
 198702-16-8P 198702-34-0P 198702-35-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of pyrimidinones and fused pyrimidinones by cycloaddn. of diazabutadienes with ketenes)  
 RN 198702-05-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-2,3-diphenyl-6-(phenyl-2-propenylamino)- (9CI) (CA INDEX NAME)

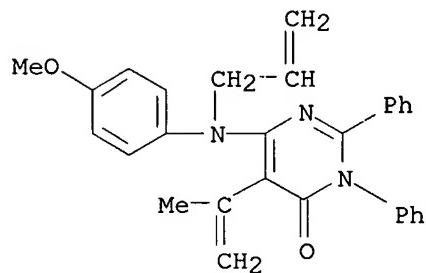


RN 198702-08-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-6-[ (4-methylphenyl)-2-propenylamino]-2,3-diphenyl- (9CI) (CA INDEX NAME)



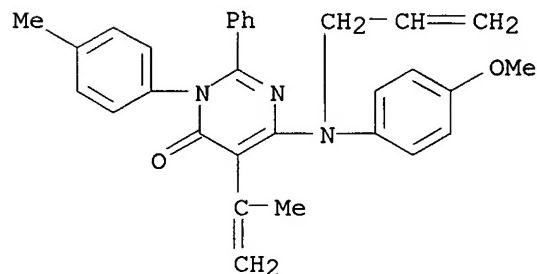
RN 198702-11-3 CAPLUS

CN 4(3H)-Pyrimidinone, 6-[(4-methoxyphenyl)-2-propenylamino]-5-(1-methylethenyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



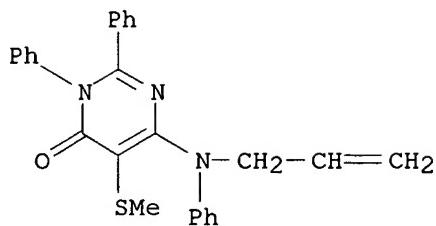
RN 198702-16-8 CAPLUS

CN 4(3H)-Pyrimidinone, 6-[(4-methoxyphenyl)-2-propenylamino]-5-(1-methylethenyl)-3-(4-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)

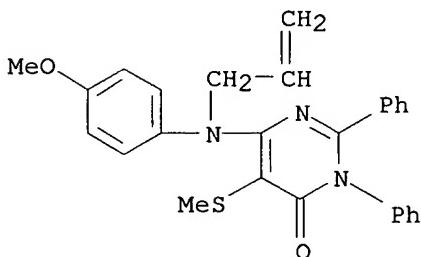


RN 198702-34-0 CAPLUS

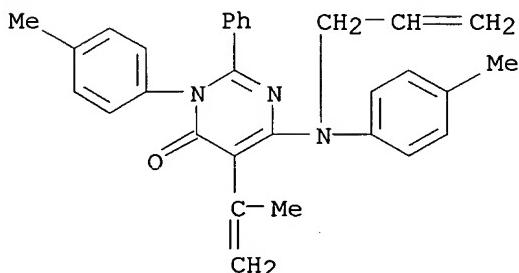
CN 4(3H)-Pyrimidinone, 5-(methylthio)-2,3-diphenyl-6-(phenyl-2-propenylamino)- (9CI) (CA INDEX NAME)



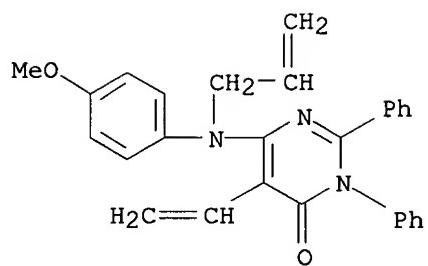
RN 198702-35-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-[(4-methoxyphenyl)-2-propenylamino]-5-(methylthio)-2,3-diphenyl- (9CI) (CA INDEX NAME)



IT 198702-14-6P 198702-18-0P 198702-37-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of pyrimidinones and fused pyrimidinones by cycloaddn. of diazabutadienes with ketenes)  
 RN 198702-14-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-3-(4-methylphenyl)-6-[(4-methylphenyl)-2-propenylamino]-2-phenyl- (9CI) (CA INDEX NAME)

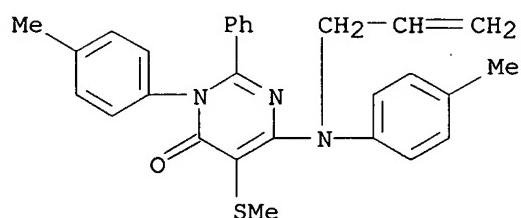


RN 198702-18-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-ethenyl-6-[(4-methoxyphenyl)-2-propenylamino]-2,3-diphenyl- (9CI) (CA INDEX NAME)

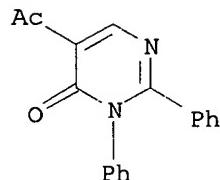


RN 198702-37-3 CAPLUS

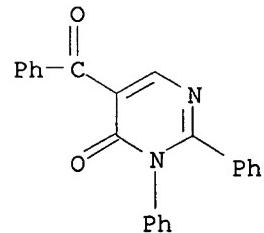
CN 4 (3H)-Pyrimidinone, 3-(4-methylphenyl)-6-[ (4-methylphenyl)-2-propenylamino]-5-(methylthio)-2-phenyl- (9CI) (CA INDEX NAME)

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 23 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1997:506128 CAPLUS  
 DN 127:205537  
 TI Reactivity of 1-aryl-4-dimethylamino-2-phenyl-1,3-diaza-1,3-butadienes towards dienophiles, 1,3-dipoles and carbanions  
 AU Dalla Croce, Piero; Ferraccioli, Raffaella; La Rosa, Concetta  
 CS Dipartimento di Chimica Organica e Industriale, Centro C.N.R., Milan,  
 I-20133, Italy  
 SO Heterocycles (1997), 45(7), 1309-1318  
 CODEN: HTCYAM; ISSN: 0385-5414  
 PB Japan Institute of Heterocyclic Chemistry  
 DT Journal  
 LA English  
 OS CASREACT 127:205537  
 AB The reactivity of 1-aryl-4-dimethylamino-2-phenyl-1,3-diaza-1,3-butadienes (1) towards dienophiles, 1,3-dipoles, and C-nucleophiles was investigated. N-(Phenylmethylene)benzenesulfonamide, Ph isocyanate, C,N-diphenylnitrone, and acylacetates reacted with 1 giving quinazoline or pyrimidine derivs. The possible mechanisms involved in products formation are discussed.  
 IT 194670-04-7P 194670-05-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (reactions of (dimethylamino)diazabutadienes with dienophiles,  
 1,3-dipoles, and carbanions)  
 RN 194670-04-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-acetyl-2,3-diphenyl- (9CI) (CA INDEX NAME)

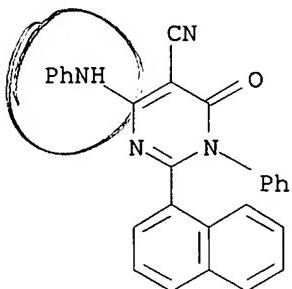


RN 194670-05-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-benzoyl-2,3-diphenyl- (9CI) (CA INDEX NAME)

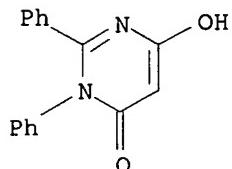


RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 24 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1996:650955 CAPLUS  
 DN 125:300847  
 TI Synthesis of pyrazole, pyrimidine and their fused derivatives  
 AU Assy, M. G.; El-Farargy, A. F.  
 CS Faculty Science, Zagazig University, Zagazig, Egypt  
 SO Egyptian Journal of Chemistry (1996), 39(3), 281-285  
 CODEN: EGJCA3; ISSN: 0367-0422  
 PB National Information and Documentation Centre  
 DT Journal  
 LA English  
 AB In this abstract, R = 1-naphthyl. Naphthoyl isothiocyanate (RCONCS, I) was reacted with Et cyanoacetate to yield RCONHCSCH(CN)CO<sub>2</sub>Et (II). Reaction of II with hydrazine hydrate afforded a pyrazolopyrazole. Condensation of II with guanidine carbonate yielded a pyrimidopyrimidine. Reaction of II with aniline afforded a pyrimidine derivative. Reaction of I with acetylacetone gave RCONHCSCH(COMe)<sub>2</sub> (III). Hydrazinolysis of III using hydrazine hydrate gave a pyrazole derivative. Condensation of I with Et β-aminocrotonate yielded a naphthylpyrimidine derivative  
 IT 183118-78-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of pyrazole and pyrimidine derivs.)  
 RN 183118-78-7 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-2-(1-naphthalenyl)-6-oxo-1-phenyl-4-(phenylamino)- (9CI) (CA INDEX NAME)

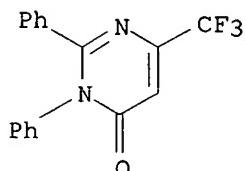


L7 ANSWER 25 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:953939 CAPLUS  
 DN 124:146054  
 TI Studies on azoles and azines. XCV. Reaction of 4,5-disubstituted 2-phenyl-6H-1,3-thiazin-6-ones with primary amines and bifunctional nucleophiles  
 AU Kuklin, V. N.; Suntsov, A. G.; Sakaev, M. R.; Ivin, B. A.  
 CS St. Peterburg. Khim.-Farm. Inst., Russia  
 SO Zhurnal Obshchey Khimii (1995), 65(6), 1022-30  
 CODEN: ZOKHA4; ISSN: 0044-460X  
 PB Nauka  
 DT Journal  
 LA Russian  
 AB Reaction of thiazinones I (R, R1 = H, Me) with NH<sub>3</sub> and amines gave pyrimidinediones, e.g., II (R, R1 = H, Me). Reaction of I (R = R1 = H) with hydrazines gave triazoles III (X = NH; Y = NH<sub>2</sub>, NHPh), and reaction of I (R = R1 = H) with hydroxylamine gave oxadiazole III (X = O, Y = OH).  
 IT 91520-57-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 91520-57-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 26 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:931231 CAPLUS  
 DN 123:340171  
 TI Preparation of 2-aryl-4-pyrimidinones as herbicides  
 IN Tice, Colin Michael; Roemmle, Renee Caroline; Musco, Vincent Angelo;  
 Warner, Harlow Lester  
 PA Rohm and Haas Co., USA  
 SO Eur. Pat. Appl., 75 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 663396 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE US 5453414 US 5726124	A1 A A	19950719 19950926 19980310	EP 1994-309757 US 1994-185579 US 1994-331249	19941223 19940118 19941028
PRAI	US 1994-185579 US 1994-331249 US 1992-916247 US 1993-62802	A A B2 A2	19940118 19941028 19920717 19930520		
OS	MARPAT 123:340171				
AB	Title compds. [I; R <sub>2</sub> = (un)substituted Ph, -pyridyl, -thienyl, etc.; R <sub>3</sub> = alk(en)yl, alkynyl, alkoxy, etc.; R <sub>5</sub> = H, acyl, OH, alkoxyimino, etc.; R <sub>6</sub> = H, alk(en)yl, (un)substituted Ph, heteroaryl, etc.; X = O or S] were prepared Thus, PhC(:NH)OMe was amidated by H <sub>2</sub> NCH <sub>2</sub> C.tplbond.CH and the product cyclocondensed with CF <sub>3</sub> COCH <sub>2</sub> CO <sub>2</sub> Et to give title compound II (R = F). II (R = H) gave complete control of 8 weeds at 1200g/ha preemergent.				
IT	158713-67-8P RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 2-aryl-4-pyrimidinones as herbicides)				
RN	158713-67-8 CAPLUS				
CN	4(3H)-Pyrimidinone, 2,3-diphenyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)				



L7 ANSWER 27 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:894116 CAPLUS  
 DN 123:332750  
 TI Preparation of 2-arylpyrimidines as herbicides.  
 IN Tice, Colin M.; Musco, Vincent A.; Roemmle, Renee C.; Warner, Harlow L.  
 PA Rohm and Haas Company, USA  
 SO U.S., 35 pp. Cont.-in-part of U.S. 5,300,477.  
 CODEN: USXXAM

DT Patent  
 LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5453414	A	19950926	US 1994-185579	19940118
	US 5300477	A	19940405	US 1993-62802	19930520
	US 5726124	A	19980310	US 1994-331249	19941028
	EP 663396	A1	19950719	EP 1994-309757	19941223
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	AU 9481812	A1	19950727	AU 1994-81812	19941230
	AU 697648	B2	19981015		
	CA 2140182	AA	19950719	CA 1995-2140182	19950113
	ZA 9500348	A	19950718	ZA 1995-348	19950117
	HU 70087	A2	19950928	HU 1995-135	19950117
	CN 1109879	A	19951011	CN 1995-101695	19950117
	BR 9500248	A	19951017	BR 1995-248	19950118
	JP 07278119	A2	19951024	JP 1995-23485	19950118
PRAI	US 1993-62802	A2	19930520		
	US 1992-916247	B2	19920717		
	US 1994-185579	A2	19940118		
	US 1994-331249	A	19941028		

OS MARPAT 123:332750

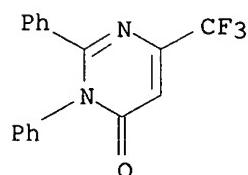
AB The title compds. I [R<sub>2</sub> = (un)substituted aryl; R<sub>3</sub> = saturated or unsatd. alkyl; R<sub>5</sub> = acyl, alkoxyalkyl, alkoxyimino, dialkoxyalkyl, formyl, hydroxyalkyl, hydroxyimino; R<sub>6</sub> = H, halo, (halo)alkyl, aryl, alkoxy; X = O or S] are prepared as herbicides. Mixts. of I with some known herbicides, such as urea derivs., are synergistic.

IT 158713-67-8P

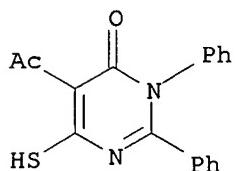
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation as herbicide)

RN 158713-67-8 CAPLUS

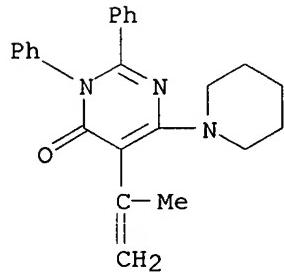
CN 4(3H)-Pyrimidinone, 2,3-diphenyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



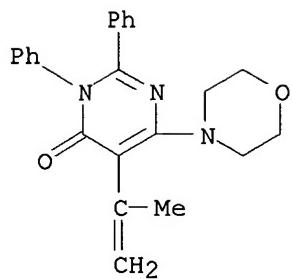
L7 ANSWER 28 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:771406 CAPLUS  
 DN 123:339981  
 TI Reaction of aryl isothiocyanate with active methylene compounds  
 AU Assy, M. G.; Moustafa, H. Y.  
 CS Fac. SCI., Zagazig Univ., Zagazig, Egypt  
 SO Phosphorus, Sulfur and Silicon and the Related Elements (1995), 105(1-4),  
 213-16  
 CODEN: PSSLEC; ISSN: 1042-6507  
 PB Gordon & Breach  
 DT Journal  
 LA English  
 AB Addition of aryl isothiocyanate RCONCS (R = Ph, C<sub>6</sub>H<sub>4</sub>Cl-4, C<sub>6</sub>H<sub>4</sub>OMe-4) with malononitrile, Et acetoacetate and/or cyanothioacetamide and the chemical transformation of the resultant oxazines I or pyrimidines II is reported.  
 IT 170946-64-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (addition of aryl isothiocyanate with active methylene compds.)  
 RN 170946-64-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-acetyl-6-mercaptop-2,3-diphenyl- (9CI) (CA INDEX  
 NAME)



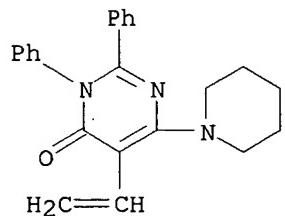
L7 ANSWER 29 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:502788 CAPLUS  
 DN 123:313866  
 TI Synthesis of 5-isopropenyl- and 5-vinylpyrimidinones via [4 + 2] cycloaddition reactions of 1,3-diaza-1,3-butadienes with isopropenyl- and vinylketene, and their further transformations: [4 + 2] and unusual [3 + 2] cycloadditions with  $\alpha$ -nitrosostyrene  
 AU Sharma, Arun K.; Mahajan, Mohinder P.  
 CS Dep. Chem., North-Eastern Hill Univ., Shillong, 793003, India  
 SO Heterocycles (1995), 40(2), 787-800  
 CODEN: HTCYAM; ISSN: 0385-5414  
 PB Japan Institute of Heterocyclic Chemistry  
 DT Journal  
 LA English  
 AB 1,3-Diaza-1,3-butadienes underwent [4 + 2] cycloaddn. reactions with isopropenyl- and vinylketene, acting as  $2\pi$  components, to give pyrimidinones such as I (R, R<sub>2</sub> = H, Me; R<sub>1</sub> = NMe<sub>2</sub>, 1-pyrrolidinyl, piperidino, morpholino). Treatment of 5-isopropenylpyrimidinones with phosphorus pentasulfide in the presence of sodium carbonate in dry THF removed the isopropenyl group. The reactions of nitrosostyrene with 5-vinylpyrimidinones resulted in [4 + 2] cycloaddns. leading to 1,2-oxazines (II; R = H, Me), whereas 5-isopropenylpyrimidinones underwent unusual [3 + 2] cycloaddn. reactions yielding nitrones (III; R<sub>1</sub> = piperidino, morpholino).  
 IT 170311-51-0P 170311-52-1P 170311-57-6P  
 170311-59-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and cycloaddn. reactions of)  
 RN 170311-51-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-2,3-diphenyl-6-(1-piperidinyl)-(9CI) (CA INDEX NAME)



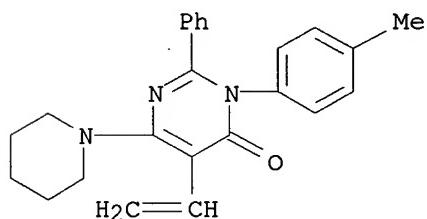
RN 170311-52-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-6-(4-morpholinyl)-2,3-diphenyl-(9CI) (CA INDEX NAME)



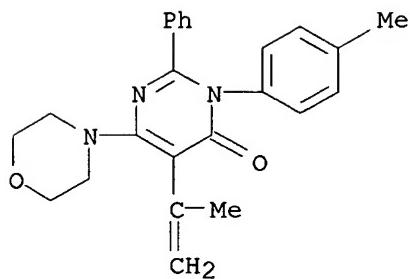
RN 170311-57-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-ethenyl-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



RN 170311-59-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-ethenyl-3-(4-methylphenyl)-2-phenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



IT 170311-54-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
     (preparation and dealkenylation of)  
 RN 170311-54-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-3-(4-methylphenyl)-6-(4-morpholinyl)-2-phenyl- (9CI) (CA INDEX NAME)

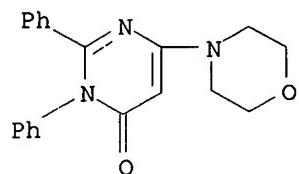


IT 130542-32-4P 130542-33-5P 130542-36-8P  
 170311-49-6P 170311-50-9P 170311-53-2P  
 170311-55-4P 170311-56-5P 170311-58-7P  
 170311-60-1P 170311-61-2P 170311-62-3P  
 170311-64-5P 170311-65-6P 170311-66-7P  
 170311-67-8P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)

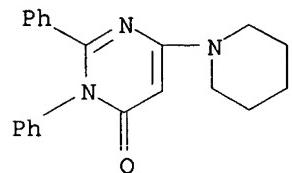
RN 130542-32-4 CAPLUS

CN 4(3H)-Pyrimidinone, 6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



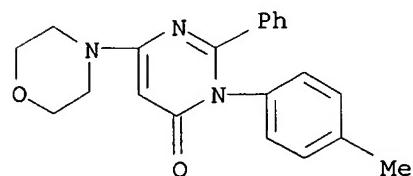
RN 130542-33-5 CAPLUS

CN 4(3H)-Pyrimidinone, 2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)

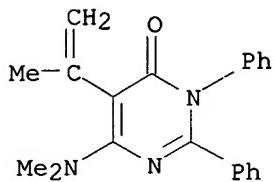


RN 130542-36-8 CAPLUS

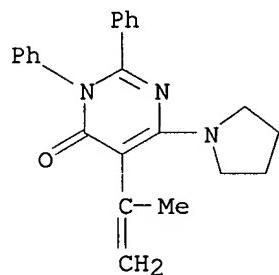
CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-6-(4-morpholinyl)-2-phenyl- (9CI)  
 (CA INDEX NAME)



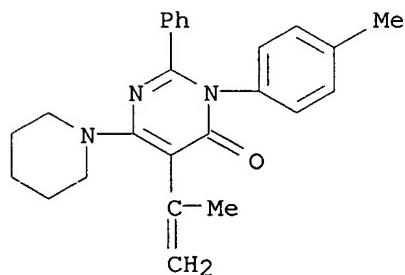
RN 170311-49-6 CAPLUS

CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-5-(1-methylethenyl)-2,3-diphenyl-  
(9CI) (CA INDEX NAME)

RN 170311-50-9 CAPLUS

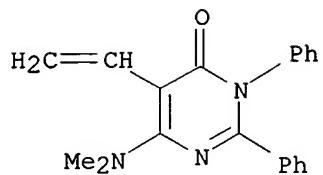
CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-2,3-diphenyl-6-(1-pyrrolidinyl)-  
(9CI) (CA INDEX NAME)

RN 170311-53-2 CAPLUS

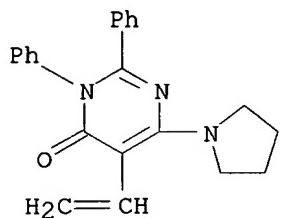
CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-3-(4-methylphenyl)-2-phenyl-6-(1-piperidinyl)-  
(9CI) (CA INDEX NAME)

RN 170311-55-4 CAPLUS

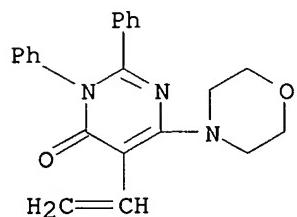
CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-5-ethenyl-2,3-diphenyl- (9CI) (CA  
INDEX NAME)



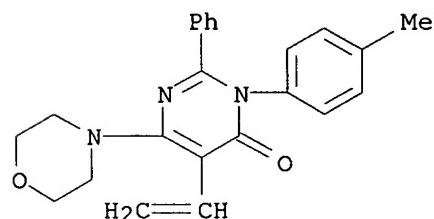
RN 170311-56-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-ethenyl-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



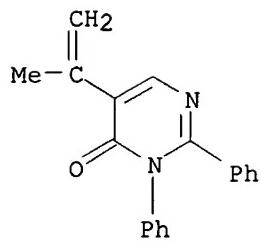
RN 170311-58-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-ethenyl-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



RN 170311-60-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-ethenyl-3-(4-methylphenyl)-6-(4-morpholinyl)-2-phenyl- (9CI) (CA INDEX NAME)

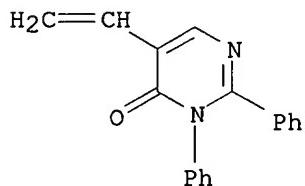


RN 170311-61-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(1-methylethenyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



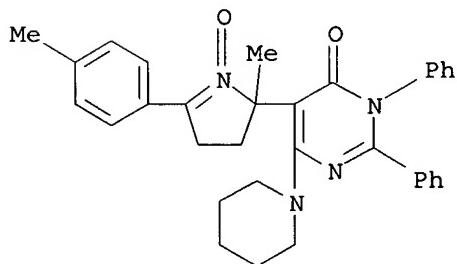
RN 170311-62-3 CAPLUS

CN 4(3H)-Pyrimidinone, 5-ethenyl-2,3-diphenyl- (9CI) (CA INDEX NAME)



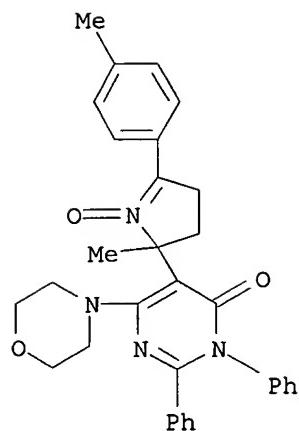
RN 170311-64-5 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[3,4-dihydro-2-methyl-5-(4-methylphenyl)-1-oxido-2H-pyrrrol-2-yl]-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



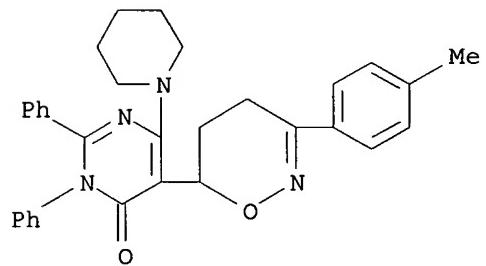
RN 170311-65-6 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[3,4-dihydro-2-methyl-5-(4-methylphenyl)-1-oxido-2H-pyrrrol-2-yl]-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



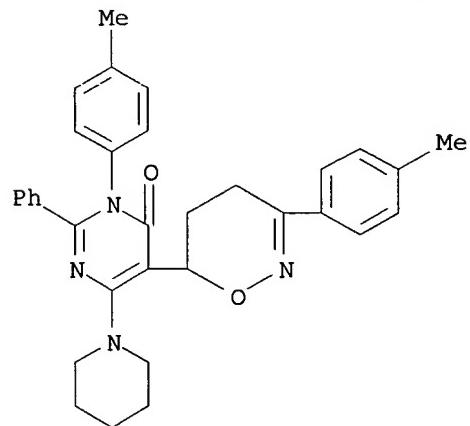
RN 170311-66-7 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[5,6-dihydro-3-(4-methylphenyl)-4H-1,2-oxazin-6-yl]-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



RN 170311-67-8 CAPLUS

CN 4(3H)-Pyrimidinone, 5-[5,6-dihydro-3-(4-methylphenyl)-4H-1,2-oxazin-6-yl]-3-(4-methylphenyl)-2-phenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



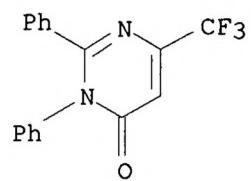
L7 ANSWER 30 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1995:252342 CAPLUS  
 DN 122:31543  
 TI Preparation of 2-arylpromidin-4-ones as herbicides  
 IN Tice, Colin M.  
 PA Rohm and Haas Co., USA  
 SO U.S., 22 pp. Cont.-in-part of U.S. Ser. No. 916,247, abandoned.  
 CODEN: USXXAM

DT Patent  
 LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5300477	A	19940405	US 1993-62802	19930520
	JP 06312980	A2	19941108	JP 1993-162546	19930630
	EP 579424	A1	19940119	EP 1993-305207	19930702
	EP 579424	B1	19961023		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	EP 696588	A1	19960214	EP 1995-117397	19930702
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	AT 144500	E	19961115	AT 1993-305207	19930702
	ES 2093929	T3	19970101	ES 1993-305207	19930702
	CA 2099925	AA	19940118	CA 1993-2099925	19930706
	AU 9341781	A1	19940120	AU 1993-41781	19930706
	AU 672605	B2	19961010		
	ZA 9305033	A	19940117	ZA 1993-5033	19930713
	BR 9302896	A	19940216	BR 1993-2896	19930716
	HU 65082	A2	19940428	HU 1993-2053	19930716
	KR 133083	B1	19980414	KR 1993-13398	19930716
	CN 1084165	A	19940323	CN 1993-108539	19930717
	US 5453414	A	19950926	US 1994-185579	19940118
	US 5726124	A	19980310	US 1994-331249	19941028
PRAI	US 1992-916247	B2	19920717		
	JP 1992-212227	A	19920716		
	JP 1992-212229	A	19920716		
	KR 1992-12786	A	19920716		
	JP 1992-190713	A	19920717		
	US 1992-916780	A	19920717		
	JP 1992-234198	A	19920810		
	JP 1993-58428	A	19930318		
	US 1993-62802	A	19930520		
	EP 1993-305207	A3	19930702		
	US 1994-185579	A2	19940118		
OS	MARPAT 122:31543				
AB	Title compds. [I; R2 = (un)substituted (hetero)aryl; R3 = (halo)alk(en)yl, alkynyl, oxoalkyl, aryl, etc.; R5 = H, halo, alkyl, alkoxy, aryl, etc.; R6 = H, halo, (halo)alkyl, alkoxy, alkoxy carbonyl, aryl, etc.; X = O or S] were prepared. Thus, PhC(:NH)OMe was condensed with HC.tplbond.CCH2NH2 and the product cyclocondensed with CF3COCHEtCO2Et to give title compound II which gave 80-100% control of 8 weeds (e.g., foxtail 100%) at 1.00lb/acre preemergent.				
IT	158713-67-8P				
	RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)				
RN	158713-67-8 CAPLUS				
CN	4(3H)-Pyrimidinone, 2,3-diphenyl-6-(trifluoromethyl)- (9CI) (CA INDEX				

NAME)



L7 ANSWER 31 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1994:680658 CAPLUS

DN 121:280658

TI 2-arylpyrimidines and herbicidal use thereof

IN Tice, Colin Michael

PA Rohm and Haas Co., USA

SO Eur. Pat. Appl., 50 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 579424	A1	19940119	EP 1993-305207	19930702
	EP 579424	B1	19961023		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	US 5300477	A	19940405	US 1993-62802	19930520
	JP 06087835	A2	19940329	JP 1993-155529	19930625
	EP 696588	A1	19960214	EP 1995-117397	19930702
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
	CA 2099928	AA	19940118	CA 1993-2099928	19930706
	BR 9302897	A	19940216	BR 1993-2897	19930716
	CN 1081440	A	19940202	CN 1993-108542	19930717
	US 5378678	A	19950103	US 1993-128326	19930928
	US 5451565	A	19950919	US 1994-306866	19940915
PRAI	US 1992-916247	A	19920717		
	US 1992-916780	A	19920717		
	US 1993-62802	A	19930520		
	EP 1993-305207	A3	19930702		
	US 1993-128326	A3	19930928		

OS MARPAT 121:280658

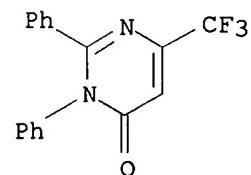
AB Herbicidal 2-arylpyrimidines I wherein R2 is an optionally substituted aromatic ring; R3 is a saturated or unsatd. alkyl group; R5 is selected from hydrogen, halo, alkyl, alkenyl, alkynyl, alkoxy, and alkylthio; R6 is selected from hydrogen, halo, alkyl, haloalkyl, aryl, and alkoxy; or R5 and R6 are joined together to form a ring; and X is oxygen or sulfur were prepared Thus, propargylation of 6-ethyl-5-methyl-2-phenyl-4(3H)-pyrimidinone with propargyl bromide in MeOH/MeONa gave 6-ethyl-5-methyl-2-phenyl-3-propargyl-4(3H)-pyrimidinone. Extensive data were given for the control of 14 weeds (crabgrass, foxtail, morning glory, etc.) in up to 100% at 1-4 lb/acre and 1200 g/ha.

IT 158713-67-8P

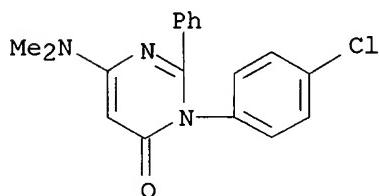
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

RN 158713-67-8 CAPLUS

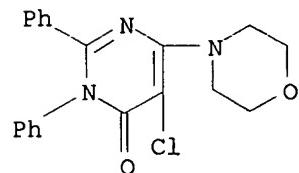
CN 4(3H)-Pyrimidinone, 2,3-diphenyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L7 ANSWER 32 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1994:557595 CAPLUS  
 DN 121:157595  
 TI Reactions of 1,3-diaza-1,3-butadienes with haloketenes - rearrangements accompanying [4+2] cycloaddition reactions  
 AU Mazumdar, Sujit N.; Mukherjee, Sucharita; Sharma, Arun K.; Sengupta, Devashish; Mahajan, Mohinder P.  
 CS Dep. Chem., North-Eastern Hill Univ., Shilong, 793 003, India  
 SO Tetrahedron (1994), 50(25), 7579-88  
 CODEN: TETRAB; ISSN: 0040-4020  
 DT Journal  
 LA English  
 OS CASREACT 121:157595  
 AB 1-Aryl-2-phenyl-4-thioalkyl-4-secondary amino-1,3-diaza-1,3-butadienes yielded interesting pyrimidones, e.g. I, with chloroketenes through their episulfonium intermediates, whereas 1-aryl-2-phenyl-(methylthio)-4-dimethylamino-1,3-diaza-1,3-butadienes give different pyrimidones with different haloketenes (chloro, bromo and iodo).  
 IT 130542-42-6P 133858-59-0P 133858-60-3P  
 133858-61-4P 157333-43-2P 157333-44-3P  
 157333-45-4P 157333-46-5P 157333-47-6P  
 157333-48-7P 157333-49-8P 157333-50-1P  
 157333-51-2P 157333-52-3P 157333-53-4P  
 157333-54-5P 157333-55-6P 157333-56-7P  
 157333-57-8P 157333-58-9P 157333-59-0P  
 157333-60-3P 157333-61-4P 157333-62-5P  
 157333-63-6P 157333-64-7P 157333-65-8P  
 157333-67-0P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 130542-42-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-6-(dimethylamino)-2-phenyl- (9CI)  
 (CA INDEX NAME)

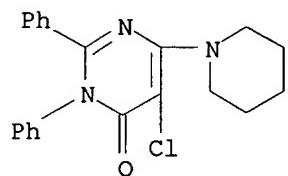


RN 133858-59-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-chloro-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)

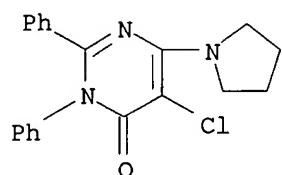


RN 133858-60-3 CAPLUS

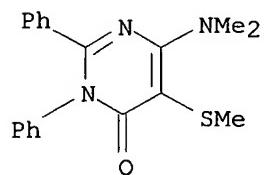
CN 4 (3H)-Pyrimidinone, 5-chloro-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



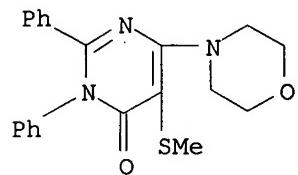
RN 133858-61-4 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 5-chloro-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



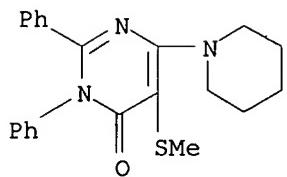
RN 157333-43-2 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 6-(dimethylamino)-5-(methylthio)-2,3-diphenyl- (9CI) (CA INDEX NAME)



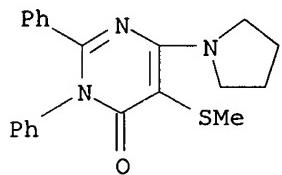
RN 157333-44-3 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 5-(methylthio)-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



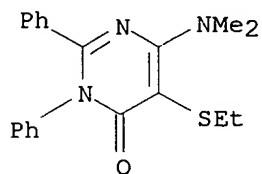
RN 157333-45-4 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 5-(methylthio)-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



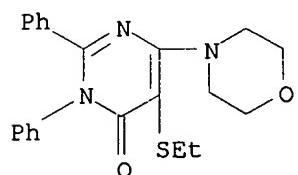
RN 157333-46-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(methylthio)-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI)  
 (CA INDEX NAME)



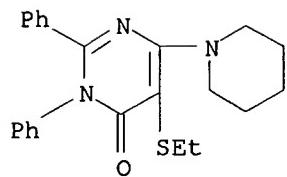
RN 157333-47-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-5-(ethylthio)-2,3-diphenyl- (9CI)  
 (CA INDEX NAME)



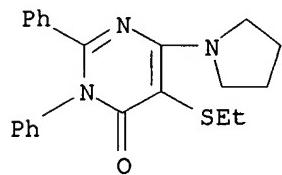
RN 157333-48-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(ethylthio)-6-(4-morpholinyl)-2,3-diphenyl- (9CI)  
 (CA INDEX NAME)



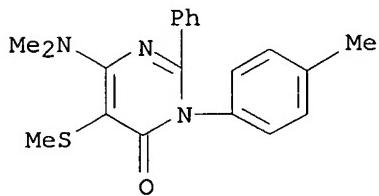
RN 157333-49-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(ethylthio)-2,3-diphenyl-6-(1-piperidinyl)- (9CI)  
 (CA INDEX NAME)



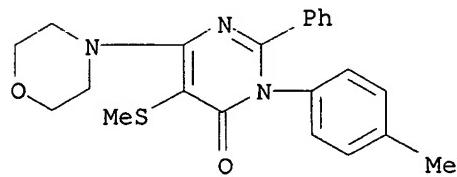
RN 157333-50-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-(ethylthio)-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI)  
 (CA INDEX NAME)



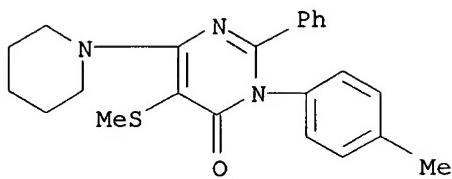
RN 157333-51-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-3-(4-methylphenyl)-5-(methylthio)-2-phenyl- (9CI) (CA INDEX NAME)



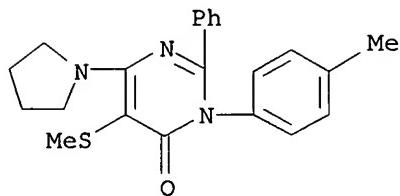
RN 157333-52-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-5-(methylthio)-6-(4-morpholinyl)-2-phenyl- (9CI) (CA INDEX NAME)



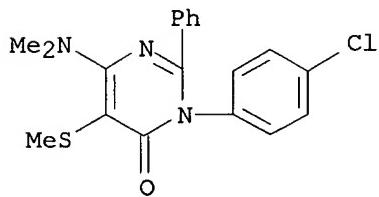
RN 157333-53-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-5-(methylthio)-2-phenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



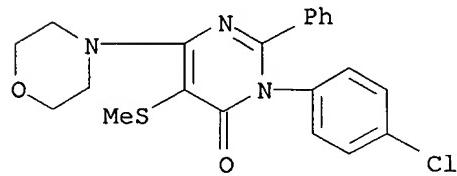
RN 157333-54-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-5-(methylthio)-2-phenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



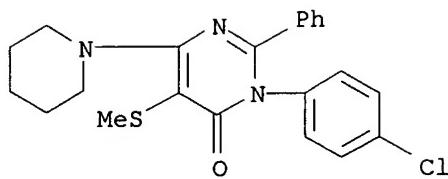
RN 157333-55-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-6-(dimethylamino)-5-(methylthio)-2-phenyl- (9CI) (CA INDEX NAME)



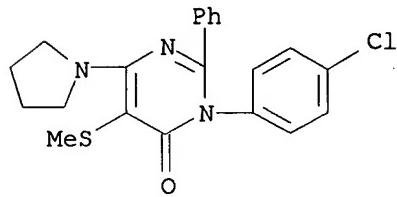
RN 157333-56-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-5-(methylthio)-6-(4-morpholinyl)-2-phenyl- (9CI) (CA INDEX NAME)



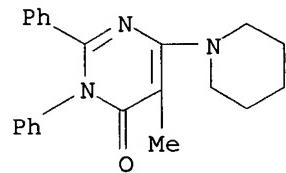
RN 157333-57-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-5-(methylthio)-2-phenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



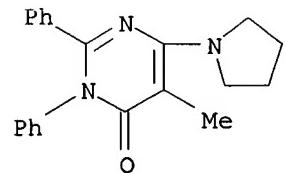
RN 157333-58-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-5-(methylthio)-2-phenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



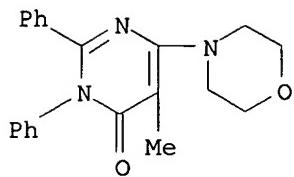
RN 157333-59-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-methyl-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



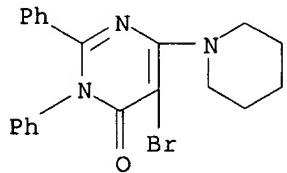
RN 157333-60-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-methyl-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



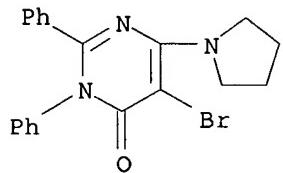
RN 157333-61-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-methyl-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



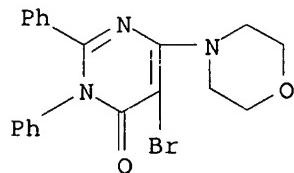
RN 157333-62-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-bromo-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



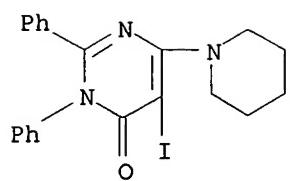
RN 157333-63-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-bromo-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



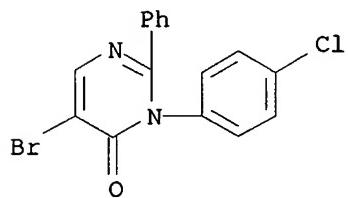
RN 157333-64-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-bromo-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



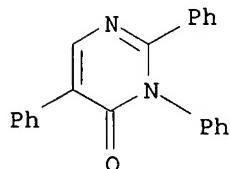
RN 157333-65-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-iodo-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



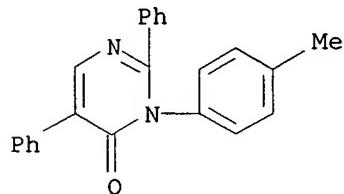
RN 157333-67-0 CAPLUS  
CN 4(3H)-Pyrimidinone, 5-bromo-3-(4-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



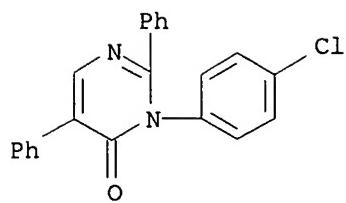
L7 ANSWER 33 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1992:426473 CAPLUS  
 DN 117:26473  
 TI N-[(Chlorosulfinyl)oxy]methylene]-N-methylmethanaminium chloride as a dehydrating agent. A direct and efficient one-pot synthesis of various pyrimidonones, azetidinones and pyridones via cycloaddition reactions  
 AU Singh, Satyendra P.; Mahajan, Asha R.; Prajapati, Dipak; Sandhu, Jagir S.  
 CS Div. Drugs Pharm. Chem., Reg. Res. Lab., Jorhat, 785006, India  
 SO Synthesis (1991), (11), 1026-8  
 CODEN: SYNTBF; ISSN: 0039-7881  
 DT Journal  
 LA English  
 OS CASREACT 117:26473  
 AB N-[(Chlorosulfinyl)oxy]methylene]-N-methylmethanaminium chloride is an efficient and mild dehydrating agent for the in situ generation of monophenyl-, diphenyl- and monochloroketenes directly from the corresponding carboxylic acids. These ketenes undergo cycloaddn. reactions with 1,3-diaza-1,3-butadienes I (R = H, Me, Cl, Br) to afford pyrimidinones II and azetidinones III, and with 3-(aryliminomethyl)chromones IV (R = Me, Br, OMe) to give benzopyranopyridinediones V (R = Me, Br, OMe; R1 = Ph; R = OMe, R1 = Cl).  
 IT 108228-39-3P 108228-40-6P 108228-41-7P  
 108228-42-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 108228-39-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,5-triphenyl- (9CI) (CA INDEX NAME)



RN 108228-40-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)

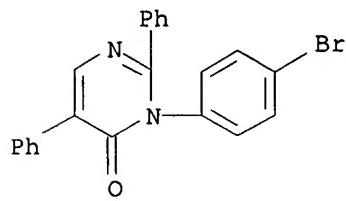


RN 108228-41-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)

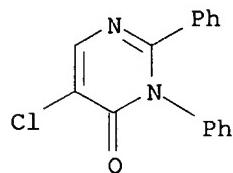


RN 108228-42-8 CAPLUS

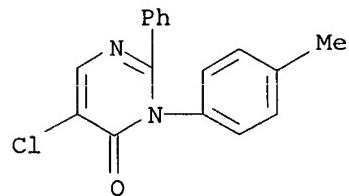
CN 4(3H)-Pyrimidinone, 3-(4-bromophenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)



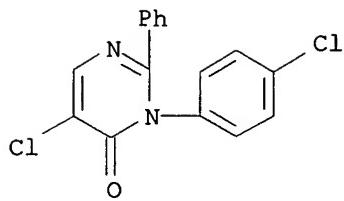
L7 ANSWER 34 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1991:228865 CAPLUS  
 DN 114:228865  
 TI [4+2] Cycloaddition reactions of various 1,3-diaza-1,3-butadienes with ketenes  
 AU Mazumdar, Sujit N.; Mahajan, Mohinder P.  
 CS Dep. Chem., North-East Hill Univ., Shillong, 793 003, India  
 SO Tetrahedron (1991), 47(8), 1473-84  
 CODEN: TETRAB; ISSN: 0040-4020  
 DT Journal  
 LA English  
 AB Pyrimidinones I ( $R = H, Me, Br, Cl, MeO, R1 = Ph, MeS, R2 = Me2N, 1\text{-pyrrolidinyl, morpholino, }1\text{-piperidinyl, }R4 = Cl, Ph$ ) were prepared by [4+2] cycloaddn. of 1,3-diaza-1,3-butadienes with  $\text{PhCH:C:O}$  (II) or  $\text{ClCH:C:O}$ . Thus, I ( $R = R2 = H, R1 = R2 = Ph$ ) was prepared in 86% yield from  $\text{PhN:CPhN:CHNH}_2$  and II.  
 IT 133858-51-2P 133858-52-3P 133858-53-4P  
 133858-54-5P 133858-59-0P 133858-60-3P  
 133858-61-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, by cycloaddn. of chloroketene with diazabutadiene derivative)  
 RN 133858-51-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-chloro-2,3-diphenyl- (9CI) (CA INDEX NAME)



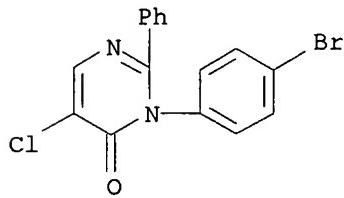
RN 133858-52-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-chloro-3-(4-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



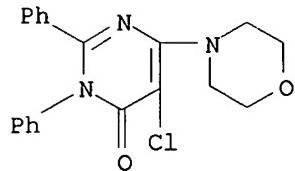
RN 133858-53-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-chloro-3-(4-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



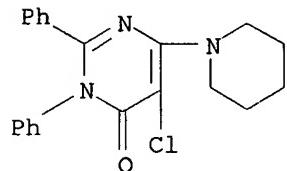
RN 133858-54-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-bromophenyl)-5-chloro-2-phenyl- (9CI) (CA INDEX NAME)



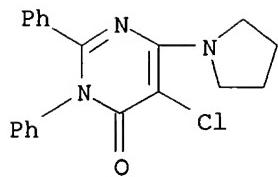
RN 133858-59-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-chloro-6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



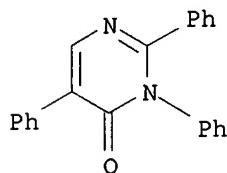
RN 133858-60-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-chloro-2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



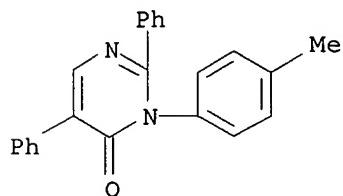
RN 133858-61-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-chloro-2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



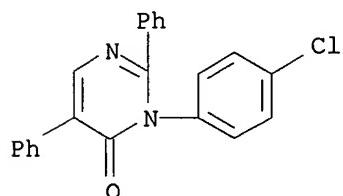
IT 108228-39-3P 108228-40-6P 108228-41-7P  
 108228-42-8P 133858-39-6P 133858-40-9P  
 133858-41-0P 133858-42-1P 133858-43-2P  
 133858-44-3P 133858-45-4P 133858-46-5P  
 133858-47-6P 133858-48-7P 133858-49-8P  
 133858-50-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of, by cycloaddn. of phenylketene with diazabutadiene derivative)  
 RN 108228-39-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,5-triphenyl- (9CI) (CA INDEX NAME)



RN 108228-40-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)

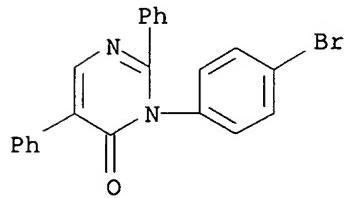


RN 108228-41-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)



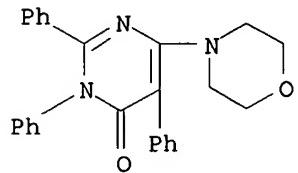
RN 108228-42-8 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(4-bromophenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)



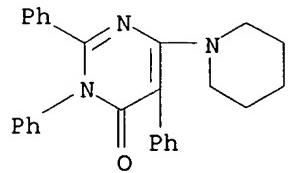
RN 133858-39-6 CAPLUS

CN 4(3H)-Pyrimidinone, 6-(4-morpholinyl)-2,3,5-triphenyl- (9CI) (CA INDEX NAME)



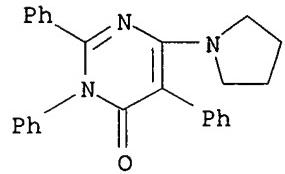
RN 133858-40-9 CAPLUS

CN 4(3H)-Pyrimidinone, 2,3,5-triphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



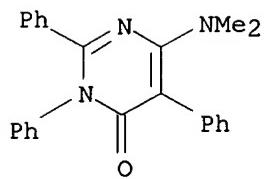
RN 133858-41-0 CAPLUS

CN 4(3H)-Pyrimidinone, 2,3,5-triphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)

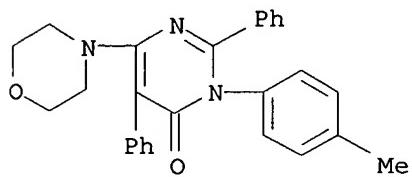


RN 133858-42-1 CAPLUS

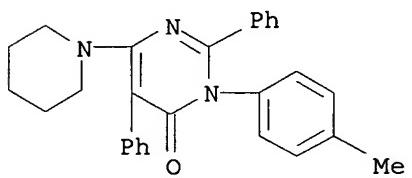
CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-2,3,5-triphenyl- (9CI) (CA INDEX NAME)



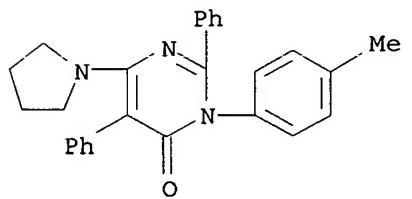
RN 133858-43-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-6-(4-morpholinyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)



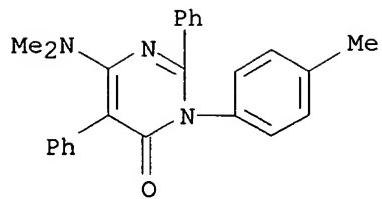
RN 133858-44-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,5-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



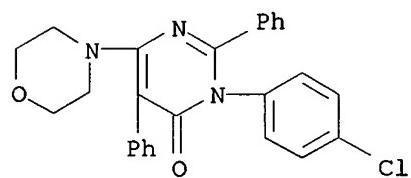
RN 133858-45-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,5-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



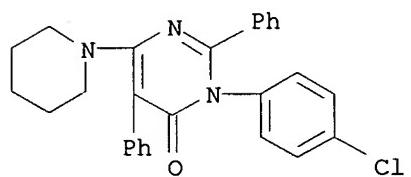
RN 133858-46-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(dimethylamino)-3-(4-methylphenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)



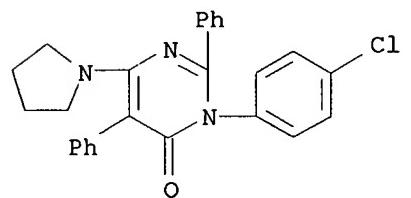
RN 133858-47-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-6-(4-morpholinyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)



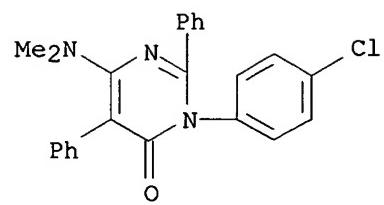
RN 133858-48-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2,5-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)



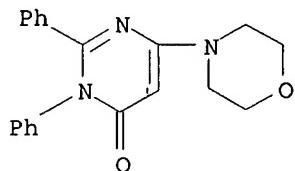
RN 133858-49-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2,5-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



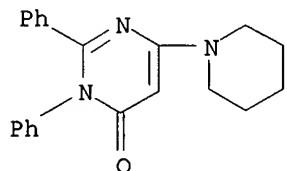
RN 133858-50-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-6-(dimethylamino)-2,5-diphenyl- (9CI) (CA INDEX NAME)



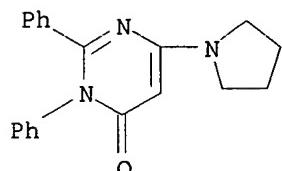
L7 ANSWER 35 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1990:631310 CAPLUS  
 DN 113:231310  
 TI 1,4-Addition of Reformatsky reagent to 1,3-diaza-1,3-butadienes  
 AU Mazumdar, Sujit N.; Mahajan, Mohinder P.  
 CS Dep. Chem., North-East. Hill Univ., Shillong, 793 003, India  
 SO Tetrahedron Letters (1990), 31(29), 4215-18  
 CODEN: TELEAY; ISSN: 0040-4039  
 DT Journal  
 LA English  
 OS CASREACT 113:231310  
 AB The 1,4-conjugated addition of the Reformatsky reagent from Et bromoacetate to 1,3-diaza-1,3-butadienes I (R = H, Me, Cl; R1 = morpholino, piperidino, pyrrolidino, dimethylamino) gives dihydropyrimidinones II.  
 IT 130542-32-4P 130542-33-5P 130542-34-6P  
 130542-35-7P 130542-36-8P 130542-37-9P  
 130542-38-0P 130542-39-1P 130542-40-4P  
 130542-41-5P 130542-42-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 130542-32-4 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 6-(4-morpholinyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)



RN 130542-33-5 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 2,3-diphenyl-6-(1-piperidinyl)- (9CI) (CA INDEX NAME)

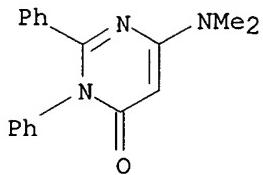


RN 130542-34-6 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 2,3-diphenyl-6-(1-pyrrolidinyl)- (9CI) (CA INDEX NAME)



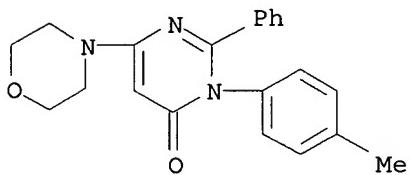
RN 130542-35-7 CAPLUS

CN 4 (3H)-Pyrimidinone, 6-(dimethylamino)-2,3-diphenyl- (9CI) (CA INDEX NAME)



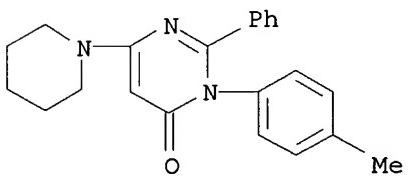
RN 130542-36-8 CAPLUS

CN 4 (3H)-Pyrimidinone, 3-(4-methylphenyl)-6-(4-morpholinyl)-2-phenyl- (9CI)  
(CA INDEX NAME)



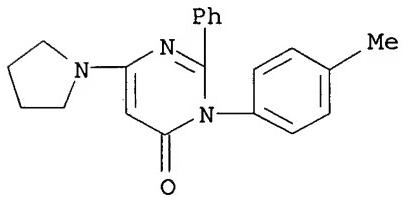
RN 130542-37-9 CAPLUS

CN 4 (3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl-6-(1-piperidinyl)- (9CI)  
(CA INDEX NAME)



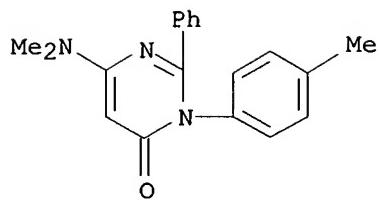
RN 130542-38-0 CAPLUS

CN 4 (3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl-6-(1-pyrrolidinyl)- (9CI)  
(CA INDEX NAME)

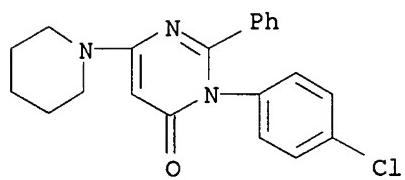


RN 130542-39-1 CAPLUS

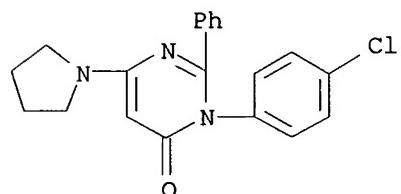
CN 4 (3H)-Pyrimidinone, 6-(dimethylamino)-3-(4-methylphenyl)-2-phenyl- (9CI)  
(CA INDEX NAME)



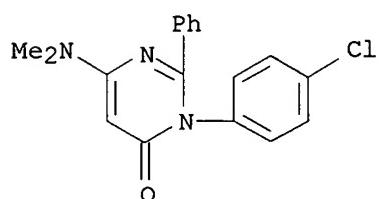
RN 130542-40-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2-phenyl-6-(1-piperidinyl)- (9CI)  
 (CA INDEX NAME)



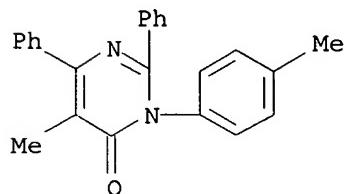
RN 130542-41-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2-phenyl-6-(1-pyrrolidinyl)- (9CI)  
 (CA INDEX NAME)



RN 130542-42-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-6-(dimethylamino)-2-phenyl- (9CI)  
 (CA INDEX NAME)



L7 ANSWER 36 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1990:478318 CAPLUS  
 DN 113:78318  
 TI Unusual recyclization of 5-methyl-2,4-diphenyl-6-[2-(N,N-dimethylamino)vinyl]-3-azapyriliun  
 AU Nechayuk, I. I.; Shibaeva, N. V.; Borodaev, S. V.; Pyshchev, A. I.; Lukyanov, S. M.  
 CS Nauchno-Issled. Inst. Fiz. Org. Khim., Rostov-on-Don, 344104, USSR  
 SO Khimiya Geterotsiklicheskikh Soedinenii (1990), (1), 134  
 CODEN: KGSSAQ; ISSN: 0453-8234  
 DT Journal  
 LA Russian  
 OS CASREACT 113:78318  
 AB Vilsmeier-Haack formylation of perchlorate I ( $R = Me$ ) by  $POCl_3$ -DMF gave 50% I ( $R = Me_2NCH = CH$ ) which was refluxed with  $NH_4OAc$  or p-toluidine in  $AcOH$  to give 32 and 41% pyrimidinones II ( $R_1 = H, p\text{-}MeC_6H_4$ ).  
 IT 128464-92-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
     (preparation of)  
 RN 128464-92-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-methyl-3-(4-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 37 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1987:576065 CAPLUS  
 DN 107:176065

TI Preparation of (chloromethyl)pyrimidinones by cyclocondensation of amidines with 4-chloro-2-butynoates

IN Rudorf, Wolf Dieter; Janietz, Dietmar; Goldmann, Barbara  
 PA Martin-Luther-Universitaet Halle-Wittenberg, Ger. Dem. Rep.

SO Ger. (East), 4 pp.

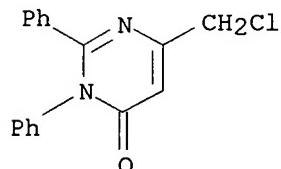
CODEN: GEXXA8

DT Patent

LA German

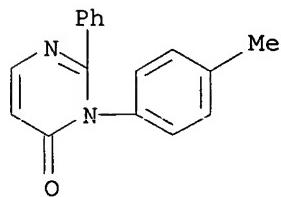
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DD 243496	A1	19870304	DD 1985-284455	19851217
PRAI	DD 1985-284455		19851217		
OS	CASREACT 107:176065				
AB	The title compds. (I; R1 = aryl, arylthio, alkylthio; R2 = H, alkyl, aryl) were prepared by cyclocondensation of ClCH2C.tplbond.CCO2R with R1C(:NH)NHR2 in anhydrous polar solvents at elevated temperature. Thus, PhC(:NH)NH2.HCl was stirred with NaOH in EtOH for 1 h. NaCl was filtered off and ClCH2.tplbond.CCO2R was added and the mixture was refluxed 6 h to give 60% I (R1 = Ph, R2 = H).				
IT	110700-79-3P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as synthetic intermediate)				
RN	110700-79-3 CAPLUS				
CN	4(3H)-Pyrimidinone, 6-(chloromethyl)-2,3-diphenyl- (9CI) (CA INDEX NAME)				

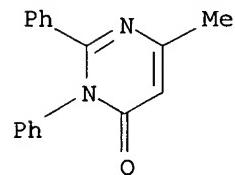


L7 ANSWER 38 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1987:459051 CAPLUS  
 DN 107:59051  
 TI Preparation of 2,6-disubstituted-3-aryl-4(3H)-pyrimidinones as antiinflammatories  
 IN Gupta, Krishna Autar; Saxena, Anil Kumar; Dua, Prithvi Raj; Srimal, Rikhab Chand; Dhawan, Bhola Nath  
 PA Council of Scientific and Industrial Research, India  
 SO Indian, 26 pp.  
 CODEN: INXXAP  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI IN 158084	A	19860830	IN 1982-DE477	19820625
PRAI IN 1982-DE477		19820625		
AB The title compds [I; R = naphthyl, (un)substituted Ph; R1 = alkyl, aralkyl, aryl; R2 = H, alkyl, aryl] were prepared as antiinflammatories and CNS agents (no data). 2-ClC <sub>6</sub> H <sub>4</sub> NHCPh:NH was stirred with PhC.tplbond.CCO <sub>2</sub> Et in EtOH to give 50% I (R = 2-ClC <sub>6</sub> H <sub>4</sub> , R1 = R2 = Ph). IT 80306-49-6P 80306-50-9P 89069-59-0P 89069-60-3P 89069-61-4P 89069-62-5P 89069-63-6P 89069-64-7P 89069-65-8P 89069-66-9P 89069-67-0P 89069-68-1P 89069-69-2P 89069-70-5P 89069-71-6P 89069-72-7P 89069-73-8P 89069-74-9P 89069-75-0P 89069-76-1P 89069-79-4P 89069-80-7P 89069-81-8P 89069-82-9P 89069-83-0P 89069-84-1P 89069-85-2P 89069-86-3P 89069-87-4P 89069-88-5P 89069-89-6P 89089-62-3P 109331-08-0P RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of, as antiinflammatory and nervous system agent) RN 80306-49-6 CAPLUS CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)				

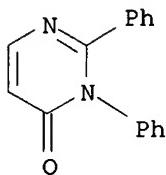


RN 80306-50-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-methyl-2,3-diphenyl- (9CI) (CA INDEX NAME)



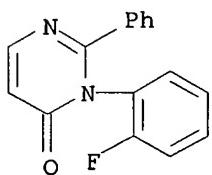
RN 89069-59-0 CAPLUS

CN 4(3H)-Pyrimidinone, 2,3-diphenyl- (9CI) (CA INDEX NAME)



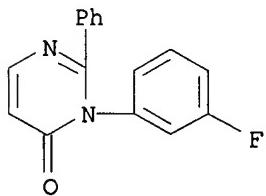
RN 89069-60-3 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(2-fluorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



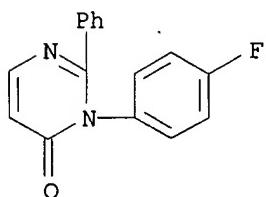
RN 89069-61-4 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(3-fluorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



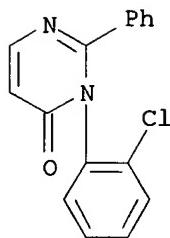
RN 89069-62-5 CAPLUS

CN 4(3H)-Pyrimidinone, 3-(4-fluorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)

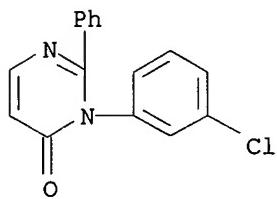


RN 89069-63-6 CAPLUS

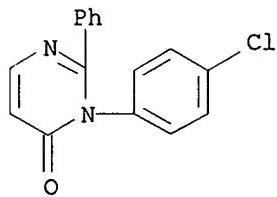
CN 4(3H)-Pyrimidinone, 3-(2-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



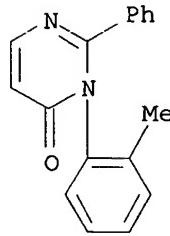
RN 89069-64-7 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(3-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



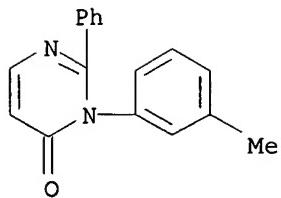
RN 89069-65-8 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(4-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



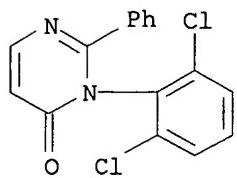
RN 89069-66-9 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(2-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



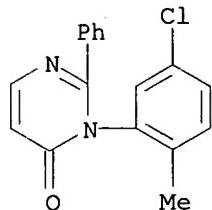
RN 89069-67-0 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(3-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



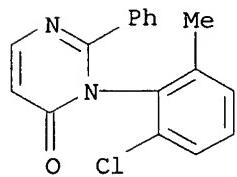
RN 89069-68-1 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(2,6-dichlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



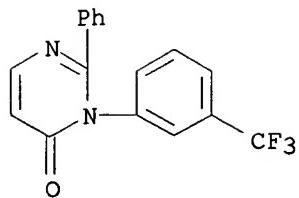
RN 89069-69-2 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(5-chloro-2-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



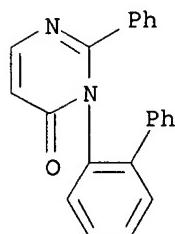
RN 89069-70-5 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(2-chloro-6-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



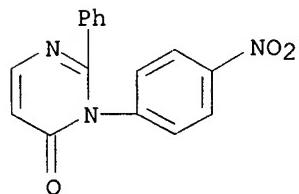
RN 89069-71-6 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 2-phenyl-3-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



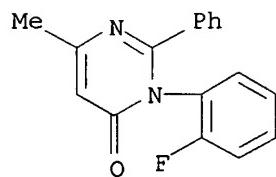
RN 89069-72-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-[1,1'-biphenyl]-2-yl-2-phenyl- (9CI) (CA INDEX NAME)



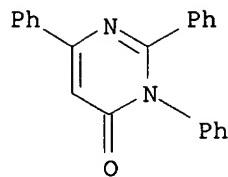
RN 89069-73-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-nitrophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



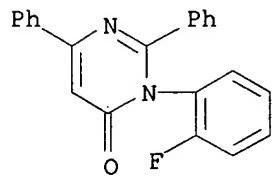
RN 89069-74-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-fluorophenyl)-6-methyl-2-phenyl- (9CI) (CA INDEX NAME)



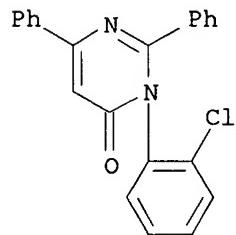
RN 89069-75-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,6-triphenyl- (9CI) (CA INDEX NAME)



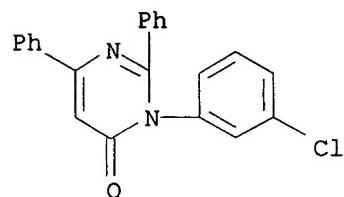
RN 89069-76-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-fluorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



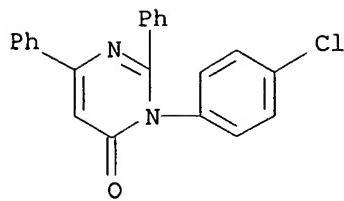
RN 89069-79-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-chlorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



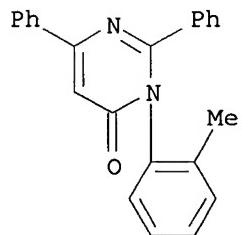
RN 89069-80-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-chlorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



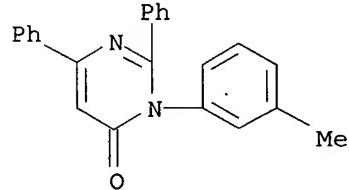
RN 89069-81-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



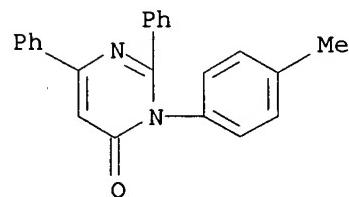
RN 89069-82-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



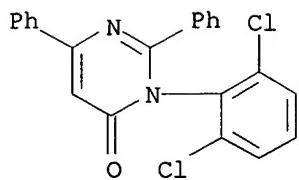
RN 89069-83-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



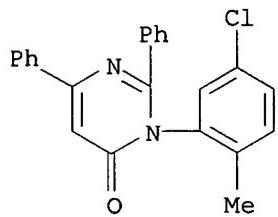
RN 89069-84-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



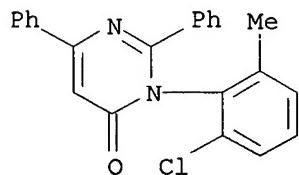
RN 89069-85-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2,6-dichlorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



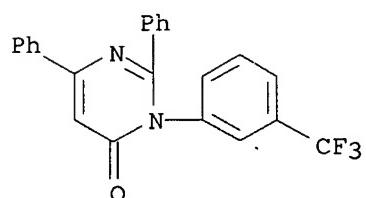
RN 89069-86-3 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(5-chloro-2-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



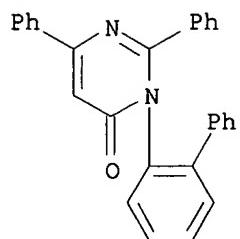
RN 89069-87-4 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(2-chloro-6-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



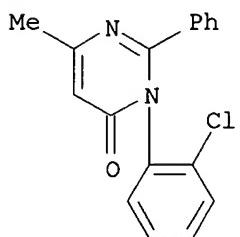
RN 89069-88-5 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 2,6-diphenyl-3-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



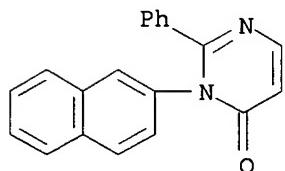
RN 89069-89-6 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-[1,1'-biphenyl]-2-yl-2,6-diphenyl- (9CI) (CA INDEX NAME)



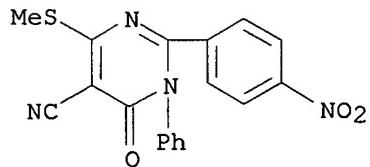
RN 89089-62-3 CAPLUS  
CN 4(3H)-Pyrimidinone, 3-(2-chlorophenyl)-6-methyl-2-phenyl- (9CI) (CA INDEX NAME)



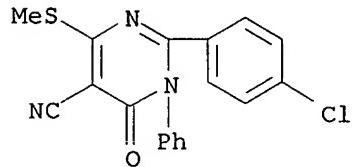
RN 109331-08-0 CAPLUS  
CN 4(3H)-Pyrimidinone, 3-(2-naphthalenyl)-2-phenyl- (9CI) (CA INDEX NAME)



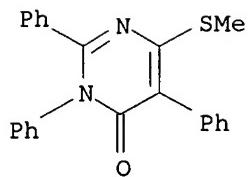
L7 ANSWER 39 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1987:407151 CAPLUS  
 DN 107:7151  
 TI Heteroatom rearrangements. S,N, O,N, and N,N double rearrangements. X-ray molecular structure of 5-cyano-6-(methylthio)-2,3-diphenylpyrimidin-4(3H)-one  
 AU Yokoyama, Masataka; Hatanaka, Hidekatsu; Sasaki, Atsuhi; Shiraishi, Tadashi; Kumata, Katsushi; Sakamoto, Kayoko; Ogata, Koreharu  
 CS Fac. Sci., Chiba Univ., Chiba, 260, Japan  
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1986), (7), 1187-96  
 CODEN: JCPRB4; ISSN: 0300-922X  
 DT Journal  
 LA English  
 OS CASREACT 107:7151  
 AB Cyclocondensation of MeSCR:C(CN)CONH<sub>2</sub> (I; R = OH) with R<sub>1</sub>CO<sub>2</sub>H (R<sub>1</sub> = Ph, 4-MeOC<sub>6</sub>H<sub>4</sub>, 4-ClC<sub>6</sub>H<sub>4</sub>, 4-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, 2-naphthyl, 2-furyl) in the presence of P2O5-(Me<sub>3</sub>Si)<sub>2</sub>O complex gave oxazinones II in 49-79% yields. Reaction of I [R = NHPh] with R<sub>1</sub>CO<sub>2</sub>H (R<sub>1</sub> = Ph, 4-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, 4-ClC<sub>6</sub>H<sub>4</sub>) under the same conditions gave pyrimidinones III and IV. The mol. structure of III (R<sub>1</sub>=Ph) was determined by x-ray crystal structure anal. The reactions of I involve acylation of the cyano group, followed by transfer of the SMe group and ring closure.  
 IT 97242-70-1P 107427-92-9P 107427-96-3P  
 107427-97-4P 107427-98-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 97242-70-1 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-2-(4-nitrophenyl)-6-oxo-1-phenyl- (9CI) (CA INDEX NAME)



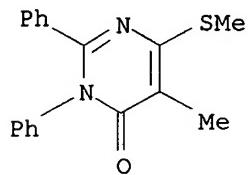
RN 107427-92-9 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 2-(4-chlorophenyl)-1,6-dihydro-4-(methylthio)-6-oxo-1-phenyl- (9CI) (CA INDEX NAME)



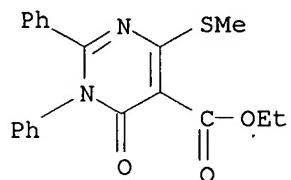
RN 107427-96-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(methylthio)-2,3,5-triphenyl- (9CI) (CA INDEX NAME)



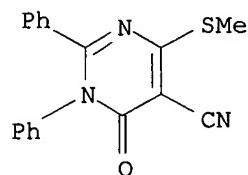
RN 107427-97-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-methyl-6-(methylthio)-2,3-diphenyl- (9CI) (CA INDEX NAME)



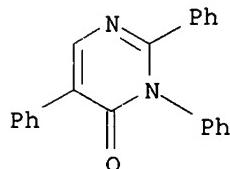
RN 107427-98-5 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-4-(methylthio)-6-oxo-1,2-diphenyl-, ethyl ester (9CI) (CA INDEX NAME)



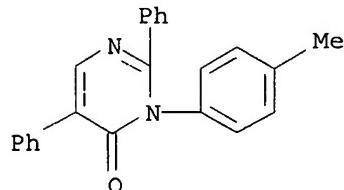
IT 97242-69-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation, crystal structure and hydrolysis of)  
 RN 97242-69-8 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-6-oxo-1,2-diphenyl- (9CI) (CA INDEX NAME)



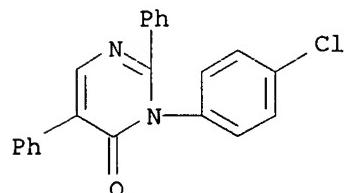
L7 ANSWER 40 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1987:213891 CAPLUS  
 DN 106:213891  
 TI Diels-Alder cycloaddition reactions of 1,3-diazabutadienes with ketenes  
 AU Mazumdar, Sujit Nandy; Ibnusaud, Ibrahim; Mahajan, Mohinder Pal  
 CS Dep. Chem., North-East. Hill Univ., Shillong, 793 003, India  
 SO Tetrahedron Letters (1986), 27(48), 5875-6  
 CODEN: TELEAY; ISSN: 0040-4039  
 DT Journal  
 LA English  
 OS CASREACT 106:213891  
 AB Diels-Alder reactions of Me<sub>2</sub>NCH:NCPH:NC<sub>6</sub>H<sub>4</sub>R-p (R = H, Me, Cl, Br) with PhCH:CO and Ph<sub>2</sub>C:CO gave 84-96% pyrimidin-6-ones I and II resp.  
 IT 108228-39-3P 108228-40-6P 108228-41-7P  
 108228-42-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 108228-39-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,5-triphenyl- (9CI) (CA INDEX NAME)



RN 108228-40-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)

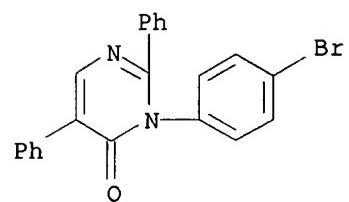


RN 108228-41-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)

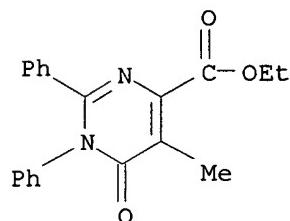


RN 108228-42-8 CAPLUS

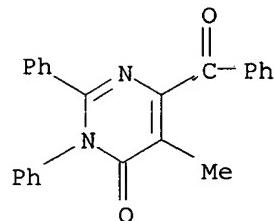
CN 4 (3H)-Pyrimidinone, 3-(4-bromophenyl)-2,5-diphenyl- (9CI) (CA INDEX NAME)



L7 ANSWER 41 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1986:224867 CAPLUS  
 DN 104:224867  
 TI Syntheses of 2,6,7-triazabicyclo[2.2.2]oct-2-ene-5,8-diones and  
 3,4-dihydro-4-pyrimidinones via 1,4-dipolar cycloaddition reactions of  
 pyrimidinium-4-olates to nitriles  
 AU Gotthardt, Hans; Blum, Joachim  
 CS Bergische Univ. Wuppertal, Wuppertal, D-5600/1, Fed. Rep. Ger.  
 SO Chemische Berichte (1986), 119(5), 1445-54  
 CODEN: CHBEAM; ISSN: 0009-2940  
 DT Journal  
 LA German  
 OS CASREACT 104:224867  
 AB Cycloaddn. of pyrimidiniumolate I ( $R = H$ ;  $R_1 = Me$ ) with  $\text{EtO}_2\text{CCN}$  and  $\text{PhCOCN}$  in PhMe gave triazabicyclooctenes II ( $R_2 = \text{EtO}_2\text{C}$ ,  $\text{PhCO}$ ), which underwent fragmentation at  $200^\circ$  to give pyrimidinones III ( $R = H$ ;  $R_1 = Me$ ;  $R_2 = \text{EtO}_2\text{C}$ ,  $\text{PhCO}$ ). C-2 substituted I ( $R = Me$ ,  $\text{Ph}$ ,  $\text{Et}_2\text{N}$ ,  $\text{PhO}$ ,  $\text{EtS}$ ;  $R_1 = H$ ,  $\text{Me}$ ) reacted with  $\text{EtO}_2\text{CCN}$ ,  $\text{PhCOCN}$ , and  $4\text{-MeC}_6\text{H}_4\text{SO}_2\text{CN}$  to give III ( $R = Me$ ,  $\text{Ph}$ ,  $\text{Et}_2\text{N}$ ,  $\text{PhO}$ ,  $\text{EtS}$ ;  $R_1 = H$ ,  $\text{Me}$ ;  $R_2 = \text{EtO}_2\text{C}$ ,  $\text{PhCO}$ ,  $4\text{-MeC}_6\text{H}_4\text{SO}_2$ ) directly in 60-93% yields. Reaction of I ( $R = H$ ,  $R_1 = Me$ ) with  $\text{HNCO}$  in  $\text{CHCl}_3$  gave the triazabicyclooctanetrione IV, whereas the condensation of I ( $R = H$ ,  $R_1 = Me$ ) with  $\text{H}_2\text{NCN}$  in the presence of  $\text{EtN}(\text{CHMe}_2)_2$  gave  $\text{MeCH}(\text{CONHPh})_2$ .  
 IT 100083-15-6P 100083-16-7P 100083-17-8P  
 100083-25-8P 100083-26-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 100083-15-6 CAPLUS  
 CN 4-Pyrimidinecarboxylic acid, 1,6-dihydro-5-methyl-6-oxo-1,2-diphenyl-, ethyl ester (9CI) (CA INDEX NAME)

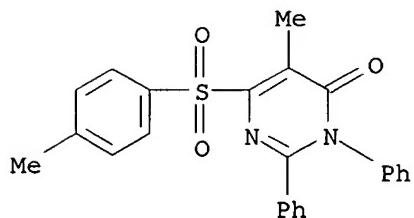


RN 100083-16-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-benzoyl-5-methyl-2,3-diphenyl- (9CI) (CA INDEX NAME)

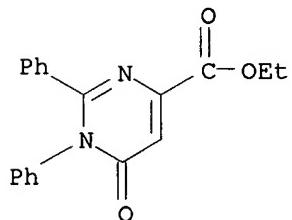


RN 100083-17-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-methyl-6-[(4-methylphenyl)sulfonyl]-2,3-diphenyl-

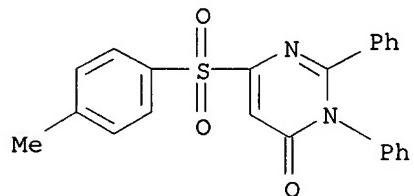
(9CI) (CA INDEX NAME)



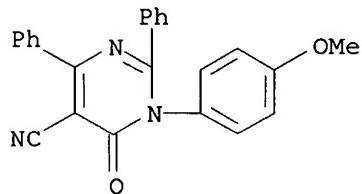
RN 100083-25-8 CAPLUS  
CN 4-Pyrimidinecarboxylic acid, 1,6-dihydro-6-oxo-1,2-diphenyl-, ethyl ester  
(9CI) (CA INDEX NAME)



RN 100083-26-9 CAPLUS  
CN 4 (3H)-Pyrimidinone, 6-[ (4-methylphenyl)sulfonyl]-2,3-diphenyl- (9CI) (CA INDEX NAME)

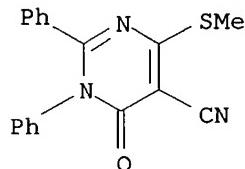


L7 ANSWER 42 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1986:148820 CAPLUS  
 DN 104:148820  
 TI Ring transformations of 6-oxo-6H-1,3-thiazine-5-carbonitrile into pyrimidine, imidazoline and thiazole derivatives  
 AU Briel, Detlef; Wagner, Guenther  
 CS Sekt. Biowiss., Karl-Marx-Univ. Leipzig, Leipzig, DDR-7010, Ger. Dem. Rep.  
 SO Archiv der Pharmazie (Weinheim, Germany) (1985), 318(12), 1145-7  
 CODEN: ARPMAS; ISSN: 0365-6233  
 DT Journal  
 LA German  
 OS CASREACT 104:148820  
 AB The oxothiazinecarbonitrile I was converted to pyrimidine derivs., e.g. II, triazole III, and thiazole IV. Thus, I was treated with NH<sub>3</sub> in MeOH to give 89% II.  
 IT 101185-05-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 101185-05-1 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methoxyphenyl)-6-oxo-2,4-diphenyl- (9CI) (CA INDEX NAME)

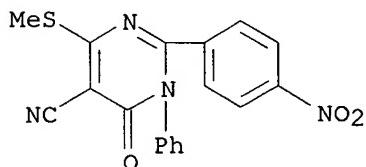


L7 ANSWER 43 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1985:437445 CAPLUS  
 DN 103:37445  
 TI O,N and N,N double rearrangement  
 AU Yokoyama, Masatake; Hatanaka, Hidekatsu; Sakamoto, Kayoko  
 CS Dep. Chem., Chiba Univ., Chiba City, 260, Japan  
 SO Journal of the Chemical Society, Chemical Communications (1985), (5),  
 279-80  
 CODEN: JCCCAT; ISSN: 0022-4936  
 DT Journal  
 LA English  
 OS CASREACT 103:37445  
 AB MeSCR:C(CN)CONH<sub>2</sub> (I; R = OH) condensed with BzOH in the presence of polyphosphoric acid trimethylsilyl ester (PPSE) gave 77% O,N-double rearranged product II (X = O), whereas similar condensation of I (R = NHPh) with BzOH in the presence of PPSE gave 49% N,N-double rearranged product III. Similar reactions occurred with other aromatic carboxylic acids and the mechanism of these heteroatom rearrangements are analogous to that of S,N-double rearrangement.  
 IT 97242-69-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and hydrolysis of)  
 RN 97242-69-8 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-6-oxo-1,2-diphenyl- (9CI) (CA INDEX NAME)

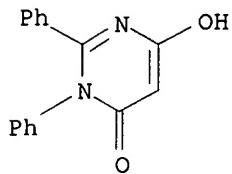
*Spine N # 39*



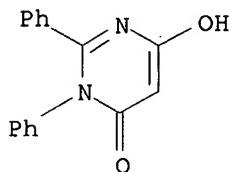
IT 97242-70-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 97242-70-1 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(methylthio)-2-(4-nitrophenyl)-6-oxo-1-phenyl- (9CI) (CA INDEX NAME)



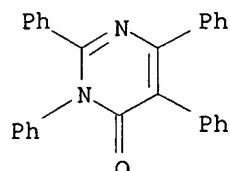
L7 ANSWER 44 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1985:166688 CAPLUS  
 DN 102:166688  
 TI Synthesis of 2H-pyrano[2,3-d]pyrimidine derivatives  
 AU Habib, Nargues S.; Kappe, Thomas  
 CS Inst. Org. Chem., Karl-Franzens-Univ., Graz, A-8010, Austria  
 SO Monatshefte fuer Chemie (1984), 115(12), 1459-66  
 CODEN: MOCMB7; ISSN: 0026-9247  
 DT Journal  
 LA English  
 OS CASREACT 102:166688  
 AB Twenty title compds. I [R = Me, Ph; R1 = H, Ph; R2 = H, Me, Ph, Bu, PhCH2; R3 = OH, Me, Ph; R2R3 = (CH<sub>2</sub>)<sub>3</sub>, (CH<sub>2</sub>)<sub>4</sub>] were prepared by cyclocondensation of hydroxypyrimidinones II with a variety of active methylene compds. Thus, a mixture of 4 mmol II (R = Me, R1 = H) and 4 mmol PhCH<sub>2</sub>CH(CO<sub>2</sub>R<sub>4</sub>)<sub>2</sub> (R<sub>4</sub> = 2,4,6-Cl<sub>3</sub>C<sub>6</sub>H<sub>2</sub>) was heated 20-30 min at 250° to give 91% yield I (R-R<sub>3</sub> = Me, H, PhCH<sub>2</sub>, OH).  
 IT 91520-57-9  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cyclocondensation of, with active methylene compds., pyranopyrimidines from)  
 RN 91520-57-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



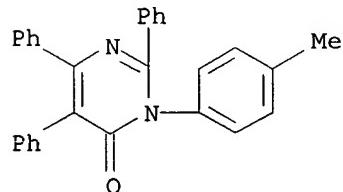
L7 ANSWER 45 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1984:510865 CAPLUS  
 DN 101:110865  
 TI Ylides of heterocycles. VII. Iodonium-, nitrogen-, phosphonium-, and sulfonium-ylides of pyrimidones  
 AU Habib, Nargues Samuel; Kappe, Samuel  
 CS Inst. Org. Chem., Karl-Franzens-Univ., Graz, A-8010, Austria  
 SO Journal of Heterocyclic Chemistry (1984), 21(2), 385-8  
 CODEN: JHTCAD; ISSN: 0022-152X  
 DT Journal  
 LA English  
 OS CASREACT 101:110865  
 AB Reaction of pyrimidinone I ( $R = OH$ ;  $R1 = H, Me, Ph$ ,  $R2 = H$ ;  $R1 = R2 = Ph$ ;  $R3 = H$ ) with  $PhIO$  prepared in situ gave iodonium ylides I ( $R = O-$ ,  $R3 = PhI+$ ; II) in good yield. Thermal rearrangement of II gave I ( $R = OPh$ ;  $R3 = iodo$ ), which were deiodinated to give I ( $R = OPh$ ,  $R3 = H$ ). Treatment of II with pyridine, nicotinamide, isoquinoline,  $Ph_3P$ , or thiophene gave the corresponding N, P, or S ylides. The pyridinium ylides were also prepared from I ( $R = OH$ ,  $R1 = Br, Cl$ ) which were prepared from II by treatment with  $HBr$  or  $HCl$ , resp.  
 IT 91520-57-9  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction of, with iodosobenzene, iodonium ylide from)  
 RN 91520-57-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-2,3-diphenyl- (9CI) (CA INDEX NAME)



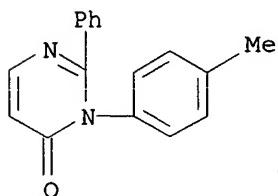
L7 ANSWER 46 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1984:455026 CAPLUS  
 DN 101:55026  
 TI Synthesis of 3-substituted 5,6-diphenylpyrimidin-4-ones from diphenylcyclopropenone and N-substituted amide oximes  
 AU Takahashi, Masahiko; Nogami, Takayuki; Nidaira, Kenichi  
 CS Fac. Eng., Ibaraki Univ., Hitachi, 316, Japan  
 SO Heterocycles (1984), 22(3), 581-4  
 CODEN: HTCYAM; ISSN: 0385-5414  
 DT Journal  
 LA English  
 OS CASREACT 101:55026  
 AB The diphenylpyrimidinones I ( $R = H$ ,  $R_1 = Ph$ ,  $p\text{-MeOC}_6H_4$ ,  $p\text{-MeC}_6H_4$ ,  $p\text{-ClC}_6H_4$ ,  $H$ ;  $R = Ph$ ,  $R_1 = Ph$ ,  $p\text{-MeC}_6H_4$ ) were prepared in 46-77% yield by cyclization of diphenylcyclopropenone with  $RC(:NOH)NR_1$ . I ( $R = H$ ,  $R_1 = Ph$ ) was hydrolyzed in aqueous EtOH containing  $OH^-$  to give  $H_2NCPh:CPhCONHPh$ .  
 IT 26958-75-8P 88440-01-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
     (preparation and hydrolysis of)  
 RN 26958-75-8 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 2,3,5,6-tetraphenyl- (8CI, 9CI) (CA INDEX NAME)



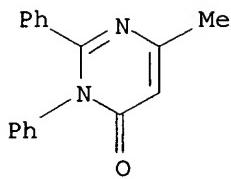
RN 88440-01-1 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(4-methylphenyl)-2,5,6-triphenyl- (9CI) (CA INDEX NAME)



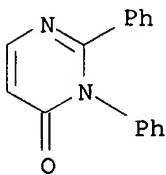
L7 ANSWER 47 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1984:103282 CAPLUS  
 DN 100:103282  
 TI Synthesis and biological activity of 2,6-disubstituted  
     3-aryl-4(3H)-pyrimidinones as potential CNS agents  
 AU Gupta, K. A.; Saxena, Anil K.; Jain, Padam C.; Dua, P. R.; Prasad, C. R.;  
     Anand, Nitya  
 CS Cent. Drug Res. Inst., Lucknow, 226 001, India  
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including  
     Medicinal Chemistry (1983), 22B(8), 789-94  
     CODEN: IJSBDB; ISSN: 0376-4699  
 DT Journal  
 LA English  
 OS CASREACT 100:103282  
 AB Title compds. I (R = H, halo, alkyl, alkoxy, Ph, NO<sub>2</sub>, CF<sub>3</sub>; R<sub>1</sub> = MeS, EtS,  
     PhCH<sub>2</sub>S, Ph, PhCH<sub>2</sub>; R<sub>2</sub> = H, Me, Ph) were prepared by cyclocondensation of  
     RC<sub>6</sub>H<sub>4</sub>NHCR<sub>1</sub>:NH with the corresponding alkynoates. I were evaluated for  
     various central nervous system activities and I (R = 2-CF<sub>3</sub>, R<sub>1</sub> = MeS, R<sub>2</sub> =  
     H) showed muscle relaxant activity superior to that of mephenesin.  
 IT 80306-49-6P 80306-50-9P 89069-59-0P  
     89069-60-3P 89069-61-4P 89069-62-5P  
     89069-63-6P 89069-64-7P 89069-65-8P  
     89069-66-9P 89069-67-0P 89069-68-1P  
     89069-69-2P 89069-70-5P 89069-71-6P  
     89069-72-7P 89069-73-8P 89069-74-9P  
     89069-75-0P 89069-76-1P 89069-77-2P  
     89069-78-3P 89069-79-4P 89069-80-7P  
     89069-81-8P 89069-82-9P 89069-83-0P  
     89069-84-1P 89069-85-2P 89069-86-3P  
     89069-87-4P 89069-88-5P 89069-89-6P  
     89089-62-3P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological  
     study, unclassified); SPN (Synthetic preparation); BIOL (Biological  
     study); PREP (Preparation)  
         (preparation and biol. activity of)  
 RN 80306-49-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



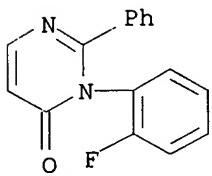
RN 80306-50-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-methyl-2,3-diphenyl- (9CI) (CA INDEX NAME)



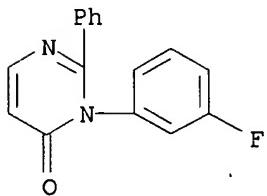
RN 89069-59-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3-diphenyl- (9CI) (CA INDEX NAME)



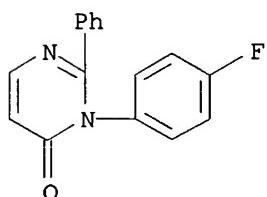
RN 89069-60-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-fluorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



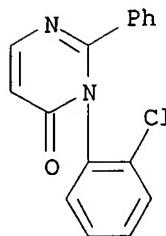
RN 89069-61-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-fluorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



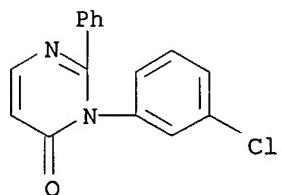
RN 89069-62-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-fluorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



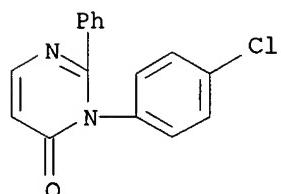
RN 89069-63-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



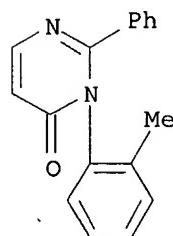
RN 89069-64-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



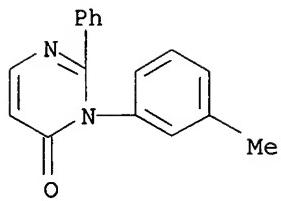
RN 89069-65-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



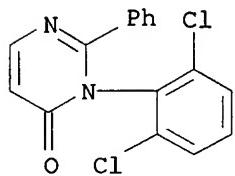
RN 89069-66-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



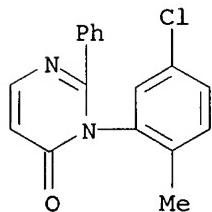
RN 89069-67-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



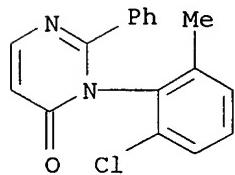
RN 89069-68-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2,6-dichlorophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



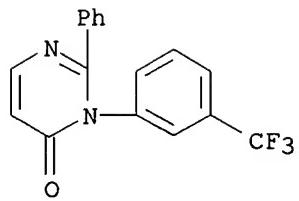
RN 89069-69-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(5-chloro-2-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



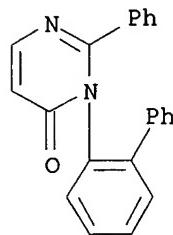
RN 89069-70-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-chloro-6-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



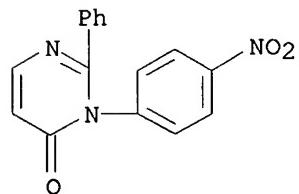
RN 89069-71-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2-phenyl-3-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



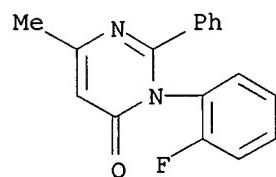
RN 89069-72-7 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-[1,1'-biphenyl]-2-yl-2-phenyl- (9CI) (CA INDEX NAME)



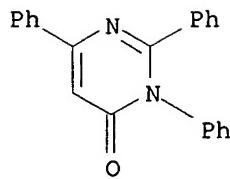
RN 89069-73-8 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(4-nitrophenyl)-2-phenyl- (9CI) (CA INDEX NAME)



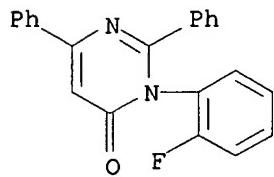
RN 89069-74-9 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 3-(2-fluorophenyl)-6-methyl-2-phenyl- (9CI) (CA INDEX NAME)



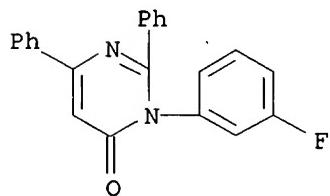
RN 89069-75-0 CAPLUS  
 CN 4 (3H)-Pyrimidinone, 2,3,6-triphenyl- (9CI) (CA INDEX NAME)



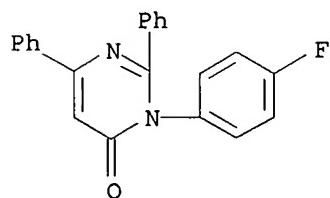
RN 89069-76-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-fluorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



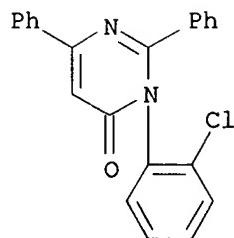
RN 89069-77-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-fluorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



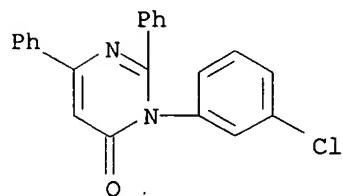
RN 89069-78-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-fluorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



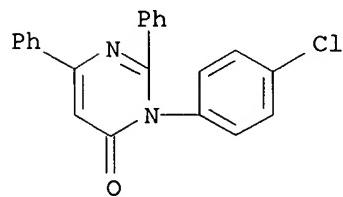
RN 89069-79-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-chlorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



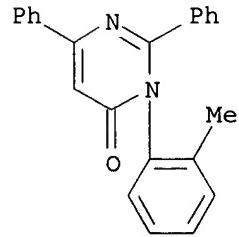
RN 89069-80-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-chlorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



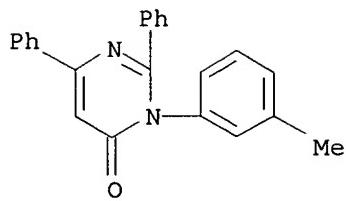
RN 89069-81-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-chlorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



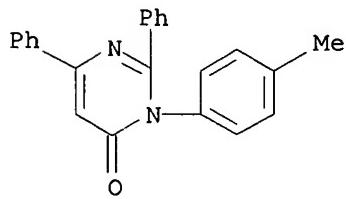
RN 89069-82-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



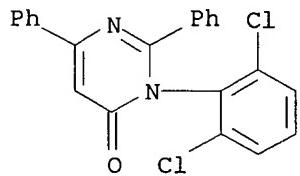
RN 89069-83-0 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



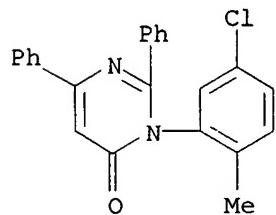
RN 89069-84-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



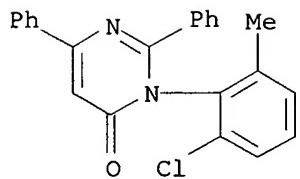
RN 89069-85-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2,6-dichlorophenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



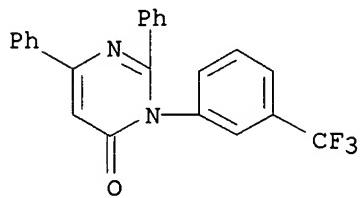
RN 89069-86-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(5-chloro-2-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



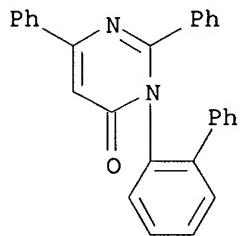
RN 89069-87-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-chloro-6-methylphenyl)-2,6-diphenyl- (9CI) (CA INDEX NAME)



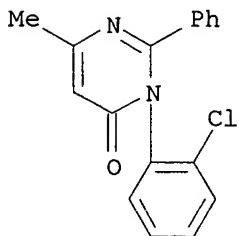
RN 89069-88-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,6-diphenyl-3-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



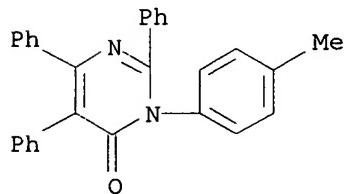
RN 89069-89-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-[1,1'-biphenyl]-2-yl-2,6-diphenyl- (9CI) (CA INDEX NAME)



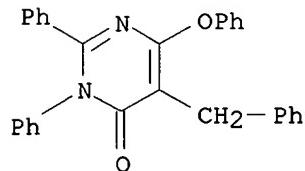
RN 89089-62-3 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(2-chlorophenyl)-6-methyl-2-phenyl- (9CI) (CA INDEX NAME)



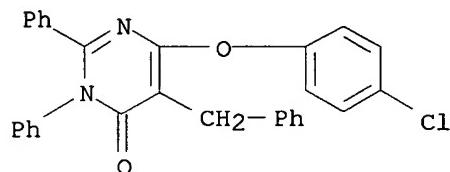
L7 ANSWER 48 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1984:103280 CAPLUS  
 DN 100:103280  
 TI The cycloaddition reaction of N-imidoyl sulfoximides with diphenylcyclopropenone to yield pyrimidinone or pyrrolinone derivatives  
 AU Yoshida, Hiroshi; Sogame, Shingo; Takishita, Yasunori; Ogata, Tsuyoshi  
 CS Fac. Eng., Shizuoka Univ., Hamamatsu, 432, Japan  
 SO Bulletin of the Chemical Society of Japan (1983), 56(8), 2438-41  
 CODEN: BCSJA8; ISSN: 0009-2673  
 DT Journal  
 LA English  
 OS CASREACT 100:103280  
 AB RR1S+(O)N-CR2:NR3 (R, R1 = Me, Ph; R2 = CMe3, Ph, substituted Ph; R3 = Me, Et, Ph, substituted Ph) reacted with diphenylcyclopropenone at 130° to yield a mixture of 1,2-disubstituted 5,6-diphenyl-4(1H)-pyrimidinone (I) and N-(4-oxo-2-pyrrolin-5-yl)sulfoximide (II), which might be formed by [3+3] and [2+3] cycloaddn. reactions. The yields of I and II depended on the electronic and steric effects of the substituents.  
 IT 88440-01-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 88440-01-1 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2,5,6-triphenyl- (9CI) (CA INDEX NAME)



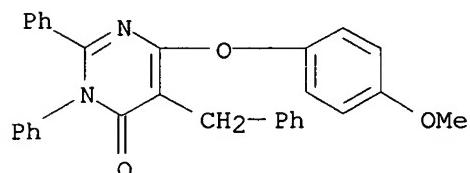
L7 ANSWER 49 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1983:126007 CAPLUS  
 DN 98:126007  
 TI Cyanic acid esters. 34. Cycloaddition of a pyrimidinium betaine with cyanic acid esters  
 AU Bauer, Monika; Martin, Dieter; Szargan, Ruediger  
 CS Zentralinst. Org. Chem., Akad. Wiss. DDR, Berlin, DDR-1199, Ger. Dem. Rep.  
 SO Zeitschrift fuer Chemie (1982), 22(10), 377-8  
 CODEN: ZECEAL; ISSN: 0044-2402  
 DT Journal  
 LA German  
 AB Treating pyrimidinium betaine I with 4-RC<sub>6</sub>H<sub>4</sub>OCN (R = H, Cl, MeO) in refluxing PhCl gave 83-93% pyrimidinone II, PhNCO, and some 2,4,6-tris(aryloxy)-1,3,5-triazine.  
 IT 85037-39-4P 85037-40-7P 85037-41-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 85037-39-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-phenoxy-2,3-diphenyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)



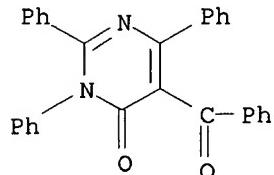
RN 85037-40-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(4-chlorophenoxy)-2,3-diphenyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)



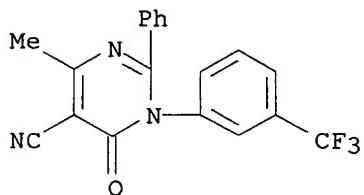
RN 85037-41-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-(4-methoxyphenoxy)-2,3-diphenyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)



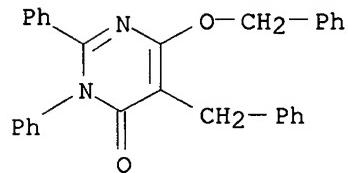
L7 ANSWER 50 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1982:598174 CAPLUS  
 DN 97:198174  
 TI The reaction of 2,4,6-triphenyl-1,3,5-thiadiazin-1-ium salt with active methylene compounds  
 AU Shibuya, Isao  
 CS Natl. Chem. Lab. Ind., Yatabe, 305, Japan  
 SO Bulletin of the Chemical Society of Japan (1982), 55(7), 2158-60  
 CODEN: BCSJA8; ISSN: 0009-2673  
 DT Journal  
 LA English  
 OS CASREACT 97:198174  
 AB The reaction of 2,4,6-triphenyl-1,3,5-thiadiazin-1-ium tetrafluoroborate (I) with several active methylene compds. was studied. MeNO<sub>2</sub> and EtNO<sub>2</sub> gave 2H-1,3,5-thiadiazines, while PhCOCH<sub>2</sub>R (R = CN, CO<sub>2</sub>Et, COPh), H<sub>2</sub>NCOCH<sub>2</sub>R (R = CN, COPh), PhNHCOCH<sub>2</sub>COPh, and RCH<sub>2</sub>CN (R = CN, CO<sub>2</sub>Et) gave 5-substituted 2,4,6-triphenylpyrimidines and 2,6-diphenyl-4-pyrimidinols, 5-benzoyl-2,3,6-triphenyl-4(3H)-pyrimidinone, and 5-substituted 2,6-diphenyl-4-pyrimidinethiols. Thus, I reacts with active methylene compds. in fashions similar to that of 2,4,6-triphenyl-1,3-thiazin-1-ium salt.  
 IT 83610-01-9P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
     (preparation of)  
 RN 83610-01-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 5-benzoyl-2,3,6-triphenyl- (9CI) (CA INDEX NAME)



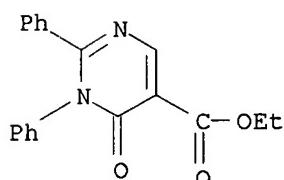
L7 ANSWER 51 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1982:509955 CAPLUS  
 DN 97:109955  
 TI 2-Cyano-3-ethoxyacrylamides - selective reactive synthons for synthesis of heterocyclics  
 AU Kampe, Klaus Dieter  
 CS Hoechst A.-G., Frankfurt/Main, D-6230/80, Fed. Rep. Ger.  
 SO Angewandte Chemie (1982), 94(7), 543-4  
 CODEN: ANCEAD; ISSN: 0044-8249  
 DT Journal  
 LA German  
 OS CASREACT 97:109955  
 AB EtOCH:C(CN)CONHR [R = H, 4-ClC<sub>6</sub>H<sub>4</sub>, 3-FC<sub>6</sub>H<sub>4</sub>, 2,4-Cl<sub>2</sub>(O<sub>2</sub>N)C<sub>6</sub>H<sub>3</sub>] reacted with H<sub>2</sub>NC<sub>1</sub>:NH (R<sub>1</sub> = H, Ph, NH<sub>2</sub>, N-phenylpiperazino, cyclohexylureido, 4,4-dimethyl-2-oxoimidazolidino) to give aminopyrimidines I. II (X = O, R<sub>2</sub> = Me; X = S, R<sub>2</sub> = H) were similarly obtained from the aminoazoles. 2-Aminobenzimidazole reacted with EtOCH:C(CN)CO<sub>2</sub>Et to give III and IV.  
 IT 82114-03-2P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 82114-03-2 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-methyl-6-oxo-2-phenyl-1-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



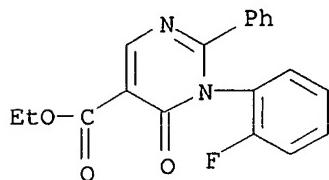
L7 ANSWER 52 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1982:501174 CAPLUS  
 DN 97:101174  
 TI X-ray and photoelectron spectroscopic studies on chemical compounds  
 AU Szargan, R.; Meisel, A.  
 CS Sekt. Chem., Karl-Marx-Univ., Leipzig, Ger. Dem. Rep.  
 SO Recent Adv. Anal. Spectrosc., Proc. Int. Conf. At. Spectrosc., 9th (1982),  
 Meeting Date 1981, 175-84. Editor(s): Fuwa, Keiichiro. Publisher:  
 Pergamon, Oxford, UK.  
 CODEN: 48AYAC  
 DT Conference  
 LA German  
 AB The mol. structure is correlated to chemical shifts of N1s and S2p binding energies and the intensity distribution curves of S K $\beta$  emission bands in various organic compds. and ligands in transition metal complexes. Conjugative effects are shown to influence the N1s binding energies in compds. containing amino groups, and the charge distribution in neutral and mesoionic N-heterocycles and betaines. The correlation between chemical bond and S K $\beta$  intensity distribution in compds. containing thioether and thione functions is reviewed and some new examples of S3p delocalization due to S lone pair - $\pi$  interaction with aromatic systems are reported. The coordination in neutral bis- and tris-complexes of 1,3-dichalcogen and aza-isosteric systems with numerous metal ions is characterized by means of the measured low-energy shift of the N1s binding energy due to deprotonation of the ligand and a pos. shift of the S2p binding energy due to sulfur-metal donor bond. An addnl. structure on the high-energy side and a broadening of the S K $\beta$  band confirm the interaction between the S lone pair and the metal d electrons.  
 IT 60139-28-8  
 RL: PRP (Properties)  
 (photoelectron spectrum of, mol. structure in relation to binding energies of)  
 RN 60139-28-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3-diphenyl-6-(phenylmethoxy)-5-(phenylmethyl)- (9CI)  
 (CA INDEX NAME)



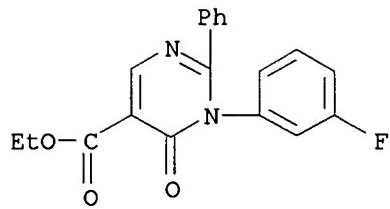
L7 ANSWER 53 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1982:492223 CAPLUS  
 DN 97:92223  
 TI Synthesis and pharmacological evaluation of ethyl 3-substituted-phenyl-2-methylthio/phenyl/methyl-4(3H)-pyrimidone-5-carboxylates  
 AU Gupta, K. A.; Saxena, Anil K.; Jain, Padam C.  
 CS Med. Chem. Div., Cent. Drug Res. Inst., Lucknow, 226 001, India  
 SO Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1982), 21B(3), 228-33  
 CODEN: IJSBDB; ISSN: 0376-4699  
 DT Journal  
 LA English  
 AB Pyrimidine-5-carboxylates I ( $R = H, 2-F, 3-F, 4-F, 2-Cl, 3-Cl, 2-Me, 3-Me, 4-Me, 2,6-Cl_2, 2,5-MeCl, 3-CF_3$ ;  $R_1 = Ph, SMe, Me$ ) were prepared by the reaction of  $RC_6H_4NHCR_1:NH$  with  $EtoCH:C(CO_2Et)_2$ . In order to confirm the structure I, Et 3-(2-methylphenyl)-2-methylthio-4(3H)-pyrimidone-5-carboxylate has been transformed into the earlier synthesized 3-(2-methylphenyl)-2-methylthio-4(3H)-pyrimidone by saponification and decarboxylation. Some I have shown antiinflammatory, diuretic and anti-passive cutaneous anaphylaxis activities.  
 IT 82635-99-2P 82636-00-8P 82636-01-9P  
 82636-02-0P 82636-03-1P 82636-04-2P  
 82636-05-3P 82636-06-4P 82636-07-5P  
 82636-08-6P 82636-09-7P 82636-10-0P  
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation and pharmacol. activity of)  
 RN 82635-99-2 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-6-oxo-1,2-diphenyl-, ethyl ester (9CI) (CA INDEX NAME)



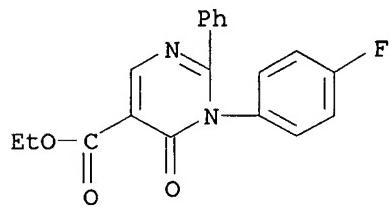
RN 82636-00-8 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1-(2-fluorophenyl)-1,6-dihydro-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



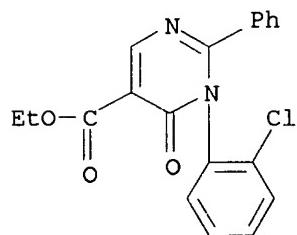
RN 82636-01-9 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1-(3-fluorophenyl)-1,6-dihydro-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



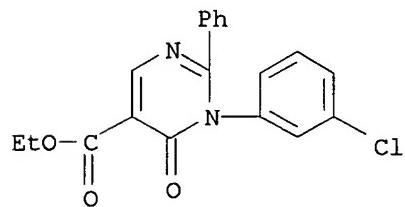
RN 82636-02-0 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1-(4-fluorophenyl)-1,6-dihydro-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



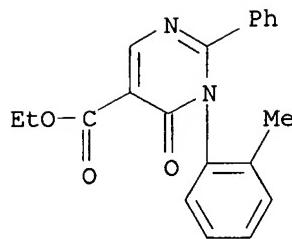
RN 82636-03-1 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1-(2-chlorophenyl)-1,6-dihydro-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



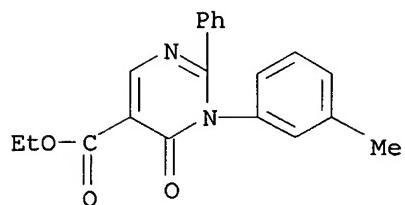
RN 82636-04-2 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1-(3-chlorophenyl)-1,6-dihydro-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



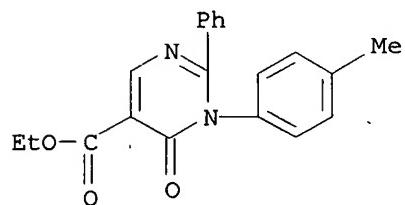
RN 82636-05-3 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-1-(2-methylphenyl)-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



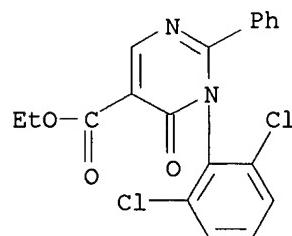
RN 82636-06-4 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-1-(3-methylphenyl)-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



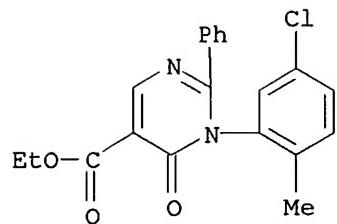
RN 82636-07-5 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-1-(4-methylphenyl)-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)



RN 82636-08-6 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1-(2,6-dichlorophenyl)-1,6-dihydro-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

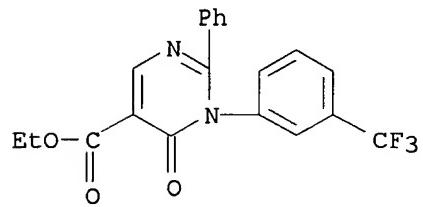


RN 82636-09-7 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1-(5-chloro-2-methylphenyl)-1,6-dihydro-6-oxo-2-phenyl-, ethyl ester (9CI) (CA INDEX NAME)

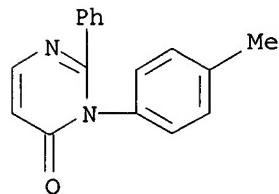


RN 82636-10-0 CAPLUS

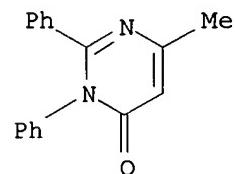
CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-6-oxo-2-phenyl-1-[3-(trifluoromethyl)phenyl]-, ethyl ester (9CI) (CA INDEX NAME)



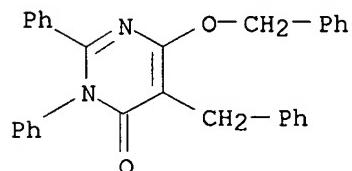
L7 ANSWER 54 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1982:20059 CAPLUS  
 DN 96:20059  
 TI A convenient method for the synthesis of 2,6-disubstituted  
     3-aryl-4(3H)-pyrimidones  
 AU Gupta, K. A.; Saxena, Anil K.; Jain, Padam C.  
 CS Div. Med. Chem., Cent. Drug Res. Inst., Lucknow, 226 001, India  
 SO Synthesis (1981), (11), 905-7  
     CODEN: SYNTBF; ISSN: 0039-7881  
 DT Journal  
 LA English  
 OS CASREACT 96:20059  
 AB The title compds. I [R = (un)substituted Ph, R1 = Ph, Me, MeS; R3 = H, Me,  
     Ph, CO<sub>2</sub>Me] were prepared in 64-73% yields by cyclocondensation of  
     R1C(:NH)NHR with R2C.tplbond.CCO<sub>2</sub>Et in EtOH 24 h at 35°.  
 IT 80306-49-6P 80306-50-9P  
     RL: SPN (Synthetic preparation); PREP (Preparation)  
         (preparation of)  
 RN 80306-49-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(4-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



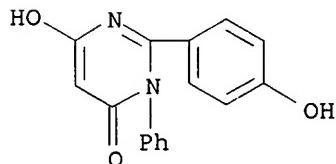
RN 80306-50-9 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-methyl-2,3-diphenyl- (9CI) (CA INDEX NAME)



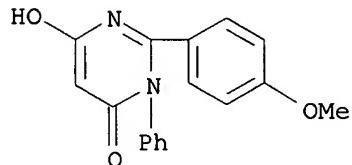
L7 ANSWER 55 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1981:191090 CAPLUS  
 DN 94:191090  
 TI Mesoionic six-membered-ring heterocycles. XIII. ESCA studies of charge distribution in mesoionic pyrimidines and 1,3,5-triazines  
 AU Szargan, Ruediger; Kappe, Thomas  
 CS Sekt. Chem., Karl-Marx-Univ., Leipzig, DDR 7010, Ger. Dem. Rep.  
 SO Zeitschrift fuer Chemie (1980), 20(12), 441-2  
 CODEN: ZECEAL; ISSN: 0044-2402  
 DT Journal  
 LA German  
 AB The photoelectron spectra of I (R = Ph, PhCH<sub>2</sub>), II (same R), and III were compared with those of related uncharged mols. The N 1s binding energies of I and II were 401.1-401.5 eV. III exhibited 2 peaks at 401.0 eV (pos. charged N) and 398.7 (uncharged N).  
 IT 60139-28-8  
 RL: PRP (Properties)  
 (binding energy of nitrogen electron in)  
 RN 60139-28-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3-diphenyl-6-(phenylmethoxy)-5-(phenylmethyl)- (9CI)  
 (CA INDEX NAME)



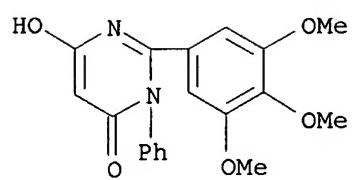
L7 ANSWER 56 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1978:50401 CAPLUS  
 DN 88:50401  
 TI Chemistry of imino esters and amidines. 11. Reaction of some amidines with malonating agents  
 AU Shchavinskii, A. N.; Samoletov, M. M.; Dashkevich, L. B.; Kul'bitskii, G. N.; Tarasov, B. P.  
 CS Leningr. Khim.-Farm. Inst., Leningrad, USSR  
 SO Izvestiya Vysshikh Uchebnykh Zavedenii, Khimiya i Khimicheskaya Tekhnologiya (1977), 20(9), 1319-22  
 CODEN: IVUKAR; ISSN: 0579-2991  
 DT Journal  
 LA Russian  
 OS CASREACT 88:50401  
 AB PhNHCR:NH (I; R = Ph) reacted with C<sub>3</sub>O<sub>2</sub> at 35-40° or with malonic ester at 110-15° give 70-85% (PhNHCR:NCO)<sub>2</sub>CH<sub>2</sub> and 1-4% tetrahydropyrimidinedione II. Analogous treatment of I [R = 4-MeOC<sub>6</sub>H<sub>4</sub>, 3,4,5-(MeO)C<sub>6</sub>H<sub>2</sub>] afforded the corresponding II in 60-83% yield. II exist as the enolized tautomers shown with intermol. CO···HO H bonds, according to their IR and NMR spectra.  
 IT 65249-17-4P 65249-18-5P 65249-19-6P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and tautomerism of, spectra in relation to)  
 RN 65249-17-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-2-(4-hydroxyphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



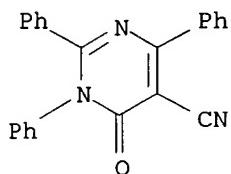
RN 65249-18-5 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-2-(4-methoxyphenyl)-3-phenyl- (9CI) (CA INDEX NAME)



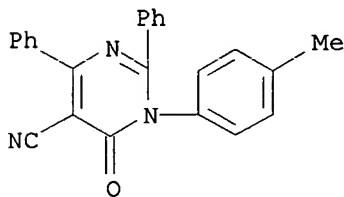
RN 65249-19-6 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-3-phenyl-2-(3,4,5-trimethoxyphenyl)- (9CI) (CA INDEX NAME)



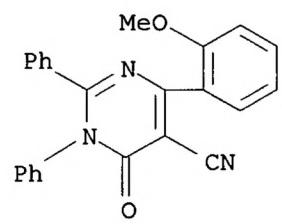
L7 ANSWER 57 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1978:22768 CAPLUS  
 DN 88:22768  
 TI Production of 3,5-disubstituted 1,2,4-oxadiazoles by reaction of 2,3,6-trisubstituted 4-imino-5-cyano-3,4-dihydropyrimidines with hydroxylamine  
 AU Robev, S.  
 CS Med. Fak., Sofia, Bulg.  
 SO Doklady Bolgarskoi Akademii Nauk (1977), 30(7), 1031-4  
 CODEN: DBANAD; ISSN: 0366-8681  
 DT Journal  
 LA Russian  
 OS CASREACT 88:22768  
 AB The title compds. I (R<sub>2</sub> = Ph, p-tolyl, p-BrC<sub>6</sub>H<sub>4</sub>, 2-naphthyl; R<sub>3</sub> = Ph, p-BrC<sub>6</sub>H<sub>4</sub>, p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, 2-pyridyl, o-MeOC<sub>6</sub>H<sub>4</sub>) were obtained in 75-95% yields by boiling II (R<sub>1</sub> = Ph, o-, p-tolyl, p-MeOC<sub>6</sub>H<sub>4</sub>, p-ClC<sub>6</sub>H<sub>4</sub>) with NH<sub>2</sub>OH 2-3 min in EtOH. Addnl. obtained were III (R<sub>2</sub> = Ph, 2-naphthyl; R<sub>3</sub> = Ph, 2-pyridyl, p-tolyl).  
 IT 65004-31-1P 65004-33-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and reaction with hydrazine)  
 RN 65004-31-1 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-6-oxo-1,2,4-triphenyl- (9CI) (CA INDEX NAME)



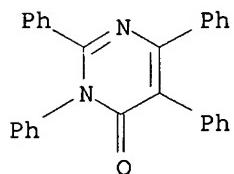
RN 65004-33-3 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-1-(4-methylphenyl)-6-oxo-2,4-diphenyl- (9CI) (CA INDEX NAME)



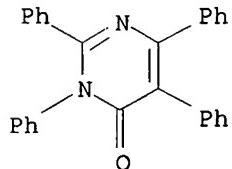
IT 65229-67-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 65229-67-6 CAPLUS  
 CN 5-Pyrimidinecarbonitrile, 1,6-dihydro-4-(2-methoxyphenyl)-6-oxo-1,2-diphenyl- (9CI) (CA INDEX NAME)



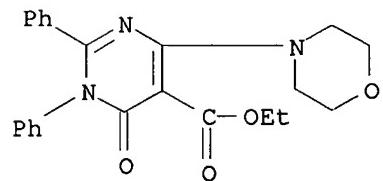
L7 ANSWER 58 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1977:421740 CAPLUS  
 DN 87:21740  
 TI Mass spectra of 2,4,5-triphenyl-3H-pyrrol-3-one 1-oxide and derived heterocycles heavily substituted with phenyl groups  
 AU Jones, Richard A. Y.; Sadighi, Nikou  
 CS Sch. Chem. Sci., Univ. East Anglia, Norwich, UK  
 SO Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1999) (1977), (4), 412-18  
 CODEN: JCPKBF; ISSN: 0300-9580  
 DT Journal  
 LA English  
 AB High-resolution mass spectra were recorded for the title compound and the isomeric oxazinone, for 1- and 3-hydroxy-2,4,5-triphenylpyrrole, for the oxime, semicarbazone, and 2,4-dinitrophenylhydrazone of 5-benzoyl-3,4-diphenylisoxazole, for 2,5,6-triphenyl- and 2,3,5,6-tetraphenylpyrimidone, for 2-benzoyltriphenyl-4-pyridone, and for 3,4-bis(methoxycarbonyl)-2,5,6-triphenylpyridine.  
 IT 26958-75-8  
 RL: PRP (Properties)  
 (mass spectrum of)  
 RN 26958-75-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,5,6-tetraphenyl- (8CI, 9CI) (CA INDEX NAME)



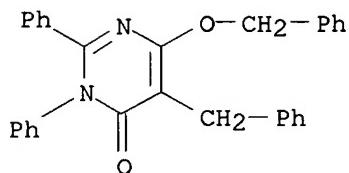
L7 ANSWER 59 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1977:121083 CAPLUS  
 DN 86:121083  
 TI N-Oxides, N-imides, and N-ylides of five-membered heterocycles. Part 5.  
 Reactions of 2,4,5-triphenyl-3H-pyrrol-3-one 1-oxide  
 AU Jones, Richard A. Y.; Sadighi, Nikou  
 CS Sch. Chem. Sci., Univ. East Anglia, Norwich, UK  
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and  
 Bio-Organic Chemistry (1972-1999) (1976), (21), 2259-64  
 CODEN: JCPRB4; ISSN: 0300-922X  
 DT Journal  
 LA English  
 AB The title compound (I) underwent cycloaddn. reactions across the nitrone system. Adducts with alkene dipolarophiles were stable. E.g., I with CH<sub>2</sub>:CHCO<sub>2</sub>Me and CH<sub>2</sub>:CHCN gave the pyrroloisoxazoles II (R = CO<sub>2</sub>Me, CN, resp.). Adducts formed by cycloaddn. with carbonyl compds., nitriles, PhNCO, and acetylenes rearranged to give oxazinones, pyrimidinones, and pyridones. Adducts with MeO<sub>2</sub>CC.tplbond.CCO<sub>2</sub>Me and cis-MeO<sub>2</sub>CCH:CHCO<sub>2</sub>Me gave the pyridine III by a decarboxylative rearrangement. Reduction of I with LiAlH<sub>4</sub> or NaBH<sub>4</sub> gave 1-hydroxy-2,3,5-triphenylpyrrole whereas catalytic reduction or electron transfer gave the 3-hydroxy isomer. Reactions with NH<sub>2</sub>OH, 2,4-(O<sub>2</sub>N)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>NHNH<sub>2</sub>, H<sub>2</sub>NCONHNH<sub>2</sub>.HCl gave the isoxazole IV [R = OH, NH<sub>2</sub>CH<sub>3</sub>(NO<sub>2</sub>)<sub>2</sub>-2,4, NHCONH<sub>2</sub>, resp.].  
 IT 26958-75-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
     (preparation of)  
 RN 26958-75-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,5,6-tetraphenyl- (8CI, 9CI) (CA INDEX NAME)



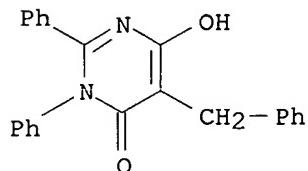
L7 ANSWER 60 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1977:55395 CAPLUS  
 DN 86:55395  
 TI The cyclization of the N-morpholinomethylene-N'-phenylbenzamidine system  
 AU Ried, Walter; Schweitzer, Reinhard  
 CS Inst. Org. Chem., Univ. Frankfurt, Frankfurt/Main, Fed. Rep. Ger.  
 SO Synthesis (1976), (7), 475  
 CODEN: SYNTBF; ISSN: 0039-7881  
 DT Journal  
 LA German  
 OS CASREACT 86:55395  
 AB The triazine I and the pyrimidines II and III were obtained in 67, 47, and 25% yield resp. by condensing the title compound with KSCN, LiC.tplbond.CPh, NaCH(CO<sub>2</sub>Et)<sub>2</sub>.  
 IT 61484-93-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 61484-93-3 CAPLUS  
 CN 5-Pyrimidinecarboxylic acid, 1,6-dihydro-4-(4-morpholinyl)-6-oxo-1,2-diphenyl-, ethyl ester (9CI) (CA INDEX NAME)



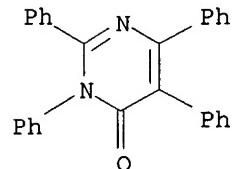
L7 ANSWER 61 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1976:494304 CAPLUS  
 DN 85:94304  
 TI Mesoionic six-membered heterocycles, VI. Rearrangement reactions of heterocycles, IV. Thermal rearrangement of mesoionic N-benzylpyrimidines  
 AU Schindler, Gerda; Furtunopoulos, Demetrios; Kappe, Thomas  
 CS Inst. Org. Chem., Univ. Graz, Graz, Austria  
 SO Zeitschrift fuer Naturforschung, Teil B: Anorganische Chemie, Organische Chemie (1976), 31B(4), 500-4  
 CODEN: ZNBAD2; ISSN: 0340-5087  
 DT Journal  
 LA German  
 AB The zwitterion I on pyrolysis underwent benzyl group N $\rightarrow$ O migration to give the ether II in poor yield, whereas the pyrimidine III gave the N $\rightarrow$ C migration product IV.  
 IT 60139-28-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 60139-28-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3-diphenyl-6-(phenylmethoxy)-5-(phenylmethyl)- (9CI) (CA INDEX NAME)



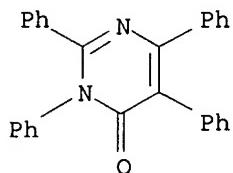
IT 60139-27-7  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (reaction with benzyl chloride)  
 RN 60139-27-7 CAPLUS  
 CN 4(3H)-Pyrimidinone, 6-hydroxy-2,3-diphenyl-5-(phenylmethyl)- (9CI) (CA INDEX NAME)



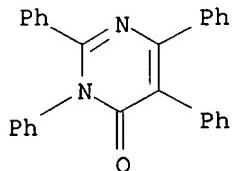
L7 ANSWER 62 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1976:17264 CAPLUS  
 DN 84:17264  
 TI Reaction of N-aryl- and imidoysulfimides with diphenylcyclopropenone.  
     Synthesis of 4-pyrimidones  
 AU Gilchrist, Thomas L.; Harris, C. John; Moody, Christopher J.; Rees, Charles W.  
 CS Robert Robinson Lab., Univ. Liverpool, Liverpool, UK  
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1975), (19), 1969-72  
     CODEN: JCPRB4; ISSN: 0300-922X  
 DT Journal  
 LA English  
 OS CASREACT 84:17264  
 AB P-RC<sub>6</sub>H<sub>4</sub>N:SMe<sub>2</sub> (R = H, Cl), prepared from the corresponding aniline with Me<sub>3</sub>COCl and Me<sub>2</sub>S, with diphenylcyclopropenone (I) gave mixts. of 2,4-R<sub>1</sub>C<sub>6</sub>H<sub>3</sub>NHCOCHPhCPh:NC<sub>6</sub>H<sub>4</sub>R-p (R<sub>1</sub> = H, CH<sub>2</sub>SMe) via a ketene intermediate. Sulfimides from 2-aminopyridine, 2-aminopyrimidine, N-phenylbenzamide, and 2-aminobenzoxazole reacted with I to give pyrimidones by intramol. interception of the ketene intermediate. E.g., S,S-dimethyl-N-2-pyridylsulfimide gave 93% II.  
 IT 26958-75-8P  
     RL: SPN (Synthetic preparation); PREP (Preparation)  
         (preparation of)  
 RN 26958-75-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,5,6-tetraphenyl- (8CI, 9CI) (CA INDEX NAME)



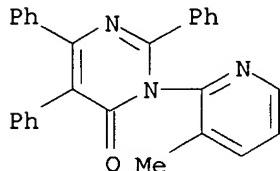
L7 ANSWER 63 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1974:569506 CAPLUS  
 DN 81:169506  
 TI Synthesis of 4-pyrimidone derivatives from sulfimides and diphenylcyclopropenone  
 AU Gilchrist, Thomas L.; Harris, C. John; Rees, Charles W.  
 CS Robert Robinson Lab., Univ. Liverpool, Liverpool, UK  
 SO Journal of the Chemical Society, Chemical Communications (1974), (12), 487-8  
 CODEN: JCCCAT; ISSN: 0022-4936  
 DT Journal  
 LA English  
 AB The sulfimides I, II (R = H, Me) and PhN:CPhN:SMe<sub>2</sub> reacted with diphenylcyclo-propenone to give 25-93% of 4-pyrimidone derivs. Thus, I gave 93% 4-pyrimidone III. I reacted analogously with di-phenylcyclopropenethione.  
 IT 26958-75-8P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 26958-75-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,5,6-tetraphenyl- (8CI, 9CI) (CA INDEX NAME)



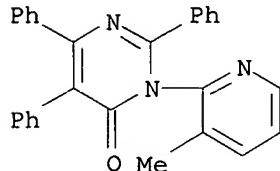
L7 ANSWER 64 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1970:403883 CAPLUS  
 DN 73:3883  
 TI Reactivity of 1,2,4-triphenyl-1-cyano-4-chloro-3-azabuta-1,3-diene.  
 3-Substituted 2,5,6-triphenyl-4(3H)-pyrimidones. I  
 AU Giammanco, Lorenzo; Invidiata, Francesco P.  
 CS Ist. Chim. Farm., Univ. Palermo, Palermo, Italy  
 SO Annali di Chimica (Rome, Italy) (1970), 60(3), 188-97  
 CODEN: ANCRAI; ISSN: 0003-4592  
 DT Journal  
 LA Italian  
 AB The title azabutadiene is treated with RNH<sub>2</sub> (R = alkyl, aryl, PhCH<sub>2</sub>) to give I. I (R is Ph, 3-methyl-2-pyridyl) are treated with HNO<sub>2</sub> to give II. III is treated with primary alkylamines to give III.  
 IT 26958-75-8P 26958-79-2P 27124-29-4P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 26958-75-8 CAPLUS  
 CN 4(3H)-Pyrimidinone, 2,3,5,6-tetraphenyl- (8CI, 9CI) (CA INDEX NAME)



RN 26958-79-2 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-methyl-2-pyridyl)-2,5,6-triphenyl- (8CI) (CA INDEX NAME)



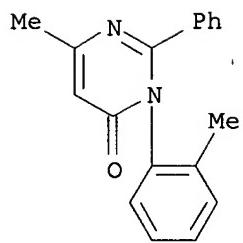
RN 27124-29-4 CAPLUS  
 CN 4(3H)-Pyrimidinone, 3-(3-methyl-2-pyridyl)-2,5,6-triphenyl-, monohydrochloride (8CI) (CA INDEX NAME)



● HCl

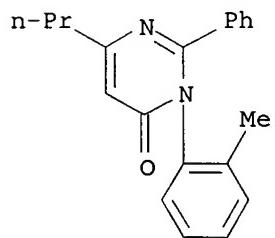
L7 ANSWER 65 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1965:416901 CAPLUS  
 DN 63:16901  
 OREF 63:2985b-e  
 TI 2,6-Dialkyl-3-(o-tolyl)-3,4-dihydro-4-pyrimidones  
 IN Ruschig, Heinrich; Schmitt, Karl; Ther, Leopold; Meixner, Wilhelm  
 PA Farbwerke Hoechst A.-G.  
 SO 4 pp.  
 DT Patent  
 LA Unavailable  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3185689 GB 1014345	-----	19650525	US GB	-----
PRAI	DE		19610816		
AB	Compds. of the general formula I are prepared and can be used as analgesic and antipyretic agents. Thus, 100 g. $\beta$ -oxocaproic acid o-toluidide in 400 ml. 25% NH <sub>3</sub> (MeOH) is kept 36 hrs. at room temperature to give 3-amino-2-hexenoic acid o-toluidide (II), m. 103°. A mixture of 100 g. II and 200 ml. (PrCO) <sub>2</sub> O is heated 2 hrs. at 170°, the excess (PrCO) <sub>2</sub> O is distilled at 25 mm., the residue is dissolved in iso-PrOH, and the solution is treated with HCl in iso-PrOH to give 96 g. 2,6-dipropyl-3-(o-tolyl)-3,4-dihydro-4-pyrimidone-HCl, m. 172° (Me <sub>2</sub> CO). Similarly prepared are the following I (R = Me) (R', Ar, and m.p. HCl salt given): Me, p-EtO <sub>2</sub> CC <sub>6</sub> H <sub>4</sub> , 280° (decomposition); Pr, 2,6-Me <sub>2</sub> C <sub>6</sub> H <sub>3</sub> , 128° (decomposition); Me, m-MeSC <sub>6</sub> H <sub>4</sub> , 262° (decomposition); Me, 2,4-Me <sub>2</sub> C <sub>6</sub> H <sub>3</sub> (m. 114°), 276° (decomposition); Me, o-MeOC <sub>6</sub> H <sub>4</sub> (m. 136°), 248° (decomposition); Ph, o-tolyl, 218°; Pr, 6,2-Me(Cl)C <sub>6</sub> H <sub>3</sub> , 218°; Pr, 2,4,6-Me <sub>3</sub> C <sub>6</sub> H <sub>2</sub> , 228° (decomposition); Me, p-EtOC <sub>6</sub> H <sub>4</sub> , 287° (decomposition); Pr, m-MeSC <sub>6</sub> H <sub>4</sub> , 248° (decomposition); Pr, m-F <sub>3</sub> CC <sub>6</sub> H <sub>4</sub> , 245°. PhCH <sub>2</sub> , o-tolyl, 208°; Me, p-( $\beta$ -piperidino-ethoxy)phenyl, --, 2HCl salt m. 279° (EtOH/H <sub>2</sub> O); Me, p-HOC <sub>6</sub> H <sub>4</sub> , 229° (MeOH); Pr, p-PhOC <sub>6</sub> H <sub>4</sub> , 225° (alc.); Me, p-PhCH <sub>2</sub> OC <sub>6</sub> H <sub>4</sub> , 281° (iso-PrOH); Pr, 3,4-HO(EtO <sub>2</sub> C)C <sub>6</sub> H <sub>3</sub> , 235° (alc.); Pr, p-iso-PrC <sub>6</sub> H <sub>4</sub> , 211° (decomposition) (iso-PrOH); Me, p-Ac <sub>2</sub> NC <sub>6</sub> H <sub>4</sub> , 228° (decomposition) (alc.); Pr, p-AcC <sub>6</sub> H <sub>4</sub> , 277° (decomposition) (alc.); Pr, o-tolyl, 252° (decomposition) (iso-PrOH); Me, o-tolyl (m. 114°), 280° (decomposition); Pr, m-ClC <sub>6</sub> H <sub>4</sub> , 241° (decomposition) (EtOH). Similarly prepared are the following I (R, R', Ar, and m.p. HCl salt given): Pr, Me, o-tolyl (m. 88°), 177°; Ph, Me, o-tolyl, 100°; Ph, Pr, o-tolyl (m. 106°), --; amyl, Pr, o-tolyl, 173°; Et, Pr, o-tolyl, 197°; MeOCH <sub>2</sub> , Pr, o-tolyl, 297° (iso-PrOH); iso-PrO <sub>2</sub> CCH <sub>2</sub> CH <sub>2</sub> , Pr, o-tolyl, 178° (iso-PrOH); iso-Pr, Pr, o-tolyl, 169° (iso-PrOH); BuOCH <sub>2</sub> , Pr, o-tolyl, 145° (Me <sub>2</sub> CO); EtOCH <sub>2</sub> , Pr, o-tolyl, 191° (iso-PrOH); iso-PrOCH <sub>2</sub> , Pr, 2,4-Me <sub>2</sub> C <sub>6</sub> H <sub>3</sub> , 180° (iso-PrOH).				
IT	2722-71-6, 4(3H)-Pyrimidinone, 6-methyl-2-phenyl-3-o-tolyl-, hydrochloride 2722-72-7, 4(3H)-Pyrimidinone, 2-phenyl-6-propyl-3-o-tolyl-, hydrochloride (preparation of)				
RN	2722-71-6 CAPLUS				
CN	4(3H)-Pyrimidinone, 6-methyl-2-phenyl-3-o-tolyl-, hydrochloride (7CI, 8CI) (CA INDEX NAME)				



● HCl

RN 2722-72-7 CAPLUS  
CN 4(3H)-Pyrimidinone, 2-phenyl-6-propyl-3-o-tolyl-, hydrochloride (7CI, 8CI)  
(CA INDEX NAME)



● HCl

L7 ANSWER 66 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1965:59001 CAPLUS

DN 62:59001

OREF 62:10449a-c

TI Preparation of 2,3-substituted 6-methyl-4(3H)-pyrimidones

PA P. Beiersdorf & Co. A.-G.

SO 10 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	BE 637891 NL 298297		19640326	BE NL	

PRAI DE 19620926

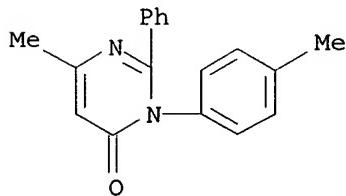
AB Compds. of type I were prepared by addition of diketene (II) to substituted amidines (cf. CA 42, 885g); acetoacetyl amides (III), which could then be cyclized, were sometimes obtained. Both I and III showed sedative, antipyretic, antiinflammatory, anticonvulsive, and analgesic activity. Dropwise addition of 8.4 g. II to 14.8 g. N-p-tolylacetamidine in 150 mL C<sub>6</sub>H<sub>6</sub> (at 0°) or in H<sub>2</sub>O (at 20-30°), followed by stirring 2 h. at room temperature, gave upon standing I (R = p-tolyl, R' = Me) (purified by

precipitation of the HCl salt from Me<sub>2</sub>CO-Et<sub>2</sub>O), m. 148° (cyclohexane). Similar reaction with N-phenylpropionamidine gave I (R = Ph, R' = Et), m. 107-8° (petr. ether, b. 80-110°); HCl salt m. 239° (Me<sub>2</sub>CO-Et<sub>2</sub>O). Addition of 5.6 g. II to 12.7 g. N-p-tolylvaleramidine in 100 mL H<sub>2</sub>O at 30-40°, followed by stirring 3 h., decanting of the H<sub>2</sub>O, and washing with Et<sub>2</sub>O gave III (R = p-tolyl, R' = Bu), m. 103° (cyclohexane), 3 g. of which upon refluxing 2 h. with 10 mL C<sub>6</sub>H<sub>6</sub> and 10 mL PCl<sub>3</sub>, evaporation, and partition between 2N NaOH and Et<sub>2</sub>O gave I (R = p-tolyl, R' = Bu), m. 70° (petr. ether). Similar reactions with N-p-tolylphenylacetamidine gave III (R = p-tolyl, R' = PhCH<sub>2</sub>), m. 129° (EtOH), and the corresponding I, m. 104°; HCl salt m. 233° (EtOH); N-p-tolylbenzamidine (by using C<sub>6</sub>H<sub>6</sub> and by adding II in portions) gave III (R = p-tolyl, R' = Ph), m. 114° (EtOH), and (by refluxing 2 h. in PhMe) the corresponding I, m. 139° (petr. ether). Yields of the various reactions were not given.

IT 1925-00-4, 4(3H)-Pyrimidinone, 6-methyl-2-phenyl-3-p-tolyl-  
(preparation of)

RN 1925-00-4 CAPLUS

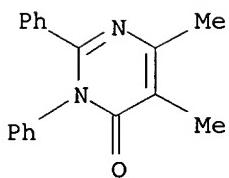
CN 4(3H)-Pyrimidinone, 6-methyl-3-(4-methylphenyl)-2-phenyl- (9CI) (CA INDEX NAME)



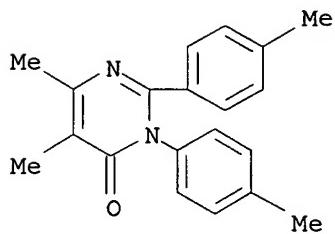
L7 ANSWER 67 OF 67 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1957:39274 CAPLUS  
 DN 51:39274  
 OREF 51:7380a-i  
 TI Synthesis of 2,3,5,6-substituted 4-pyrimidones  
 AU Staskun, Benjamin; Stephen, Henry  
 CS Univ. Witwatersrand Johannesburg, S. Afr.  
 SO Journal of the Chemical Society (1956) 4708-10  
 CODEN: JCSOA9; ISSN: 0368-1769  
 DT Journal  
 LA Unavailable  
 OS CASREACT 51:39274  
 AB 2,3,5,6-Substituted 4-pyrimidones (I) were readily synthesized by condensation of imidoyl chlorides (II) with Me or Et  $\alpha$ -alkyl- $\beta$ -aminocrotonates (III). The following general procedure was used: II (0.01 mole) and III (0.005, 0.01, or 0.02 mole) were refluxed 3-4 hrs. in 40 cc. dry CHCl<sub>3</sub> (method A) or allowed to remain at room temperature 2-3 days (method B). In some cases II and III were heated in the absence of a solvent (method C), HCl and alc. being evolved. The products were acidified with dilute HCl and steam distilled; this hydrolyzed any unchanged ester to steam volatile or H<sub>2</sub>O soluble products, and converted unchanged II to the amide. After cooling, the latter was removed, and the filtrate treated with C and NH<sub>3</sub> deposited crude I which crystallized from dilute MeOH or alc. in colorless needles. The following I were prepared by the above methods (R and R' substituents in II (RCCl:NR'), R'' and X in III (MeC(NH<sub>2</sub>):CR'CO<sub>2</sub>X), molar ratio II:III, method, reaction temperature, reaction time in hrs., % yield, and m.p. given): Ph, Ph, Me, Me, 1:1, C, 140°, 0.5, -, -; Ph, Ph, Me, Et, 1:1, C, 140°, 0.5, 45, 157°; Ph, Ph, Et, Et, 1:2, A, -, 4, 79, 159°; Ph, o-C<sub>6</sub>H<sub>4</sub>Me, Me, Me, 1:1, A, -, 3, 53, 114°; Ph, o-C<sub>6</sub>H<sub>4</sub>Me, Et, Et, 1:2, A, -, 4, 80, 152°; Ph, m-C<sub>6</sub>H<sub>4</sub>Me, Me, Me, 1:1, C, 100°, 0.5, 31, 129°; Ph, m-C<sub>6</sub>H<sub>4</sub>Me, Me, Et, 1:1, C, 100°, 0.5, 28, -; Ph, m-C<sub>6</sub>H<sub>4</sub>Me, Et, Me, 1:1, C, 100°, 0.5, 77, 136°; Ph, m-C<sub>6</sub>H<sub>4</sub>Me, Et, Et, 1:2, A, -, 3, -, -; Ph, p-C<sub>6</sub>H<sub>4</sub>Me, Me, Me, 1:2, A, -, 3, 77, 146°; Ph, p-C<sub>6</sub>H<sub>4</sub>Me, Et, Et, 1:2, B, -, 3, 75, 152°; Ph, 2,4,1-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, Me, Me, 2:1, A, -, 3, 83, 152°; Ph, 2,4,1-Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, Me, Et, 2:1, A, -, 3, 83, 146°; Ph, p-MeOC<sub>6</sub>H<sub>4</sub>, Et, Et, 1:2, B, -, 3, 81, 161°; Ph, p-MeOC<sub>6</sub>H<sub>4</sub>, Pr, Me, 1:2, C, 155°, 0.5, 55, 163°; Ph, m-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, Me, Me, 1:2, C, 140°, 0.5, 62, 159°; Ph, m-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, Me, Et, 1:2, C, 140°, 0.5, 34, -; Ph, m-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, Et, Me, 1:2, C, 140°, 0.5, 24, 160°; Ph, m-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>, Et, Et, 1:2, C, 140°, 0.5, 38, -; Ph, 1-C<sub>10</sub>H<sub>7</sub>, Me, Et, 1:2, A, -, 3, 64, 174°; Ph, 2-C<sub>10</sub>H<sub>7</sub>, Me, Et, 1:2, A, -, 3, 50, 189°; Ph, 2-C<sub>10</sub>H<sub>7</sub>, Et, Et, 1:2, A, -, 3, 40, 184°; Ph, o-C<sub>6</sub>H<sub>4</sub>Cl, Me, Et, 2:1, A, -, 3, 13, 151°; Ph, o-C<sub>6</sub>H<sub>4</sub>Cl, Et, Et, 2:1, C, 170°, 0.5, 32, 192°; Ph, m-C<sub>6</sub>H<sub>4</sub>Cl, Me, Me, 1:1, C, 150°, 0.5, 35, 152°; Ph, p-C<sub>6</sub>H<sub>4</sub>Cl, Et, Et, 1:2, C, 185°, 0.5, 59, 148°; Ph, p-C<sub>6</sub>H<sub>4</sub>Cl, Pr, Me, 1:2, C, 185°, 0.5, 37, 154°; Ph, Et, Et, Et, 1:2, B, -, 3, 73, 82°; Ph, Et, Me, Et, 1:2, B, -, 3, 51, 118°; o-C<sub>6</sub>H<sub>4</sub>Me, Ph, Me, Me, 2:1, A, -, 3, 80, 112°; o-C<sub>6</sub>H<sub>4</sub>Me, Ph, Et, Et, 2:1, A, -, 3, 74, 137°; p-C<sub>6</sub>H<sub>4</sub>Cl, Ph, Et, Et, 1:2, C, 155°, 0.5, 67, 146°; p-C<sub>6</sub>H<sub>4</sub>Cl, Ph, Pr, Me, 1:2, C, 155°, 0.5, 21, 151°; 3,4,5-(MeO)3C<sub>6</sub>H<sub>2</sub>, Ph, Me, Me, 1:2, A, -, 3, 20, 181°; 3,4,5-(MeO)3C<sub>6</sub>H<sub>2</sub>, Ph, Et, Et, 1:2, A, -, 3, 37, 129°. The synthesis of I was modified by preparing II by rearrangement of ketoximes (IV) with PCl<sub>5</sub>. The following procedures were used. A solution of IV (0.01 mole) in 50 cc. CHCl<sub>3</sub> was treated at 0° with 0.01 mole PCl<sub>5</sub>, the

whole shaken 1-2 min., and the solution treated by one of the following procedures. The solution refluxed 15 min. to complete the rearrangement of IV, the III (0.02-0.03 mole) added in 10 cc. CHCl<sub>3</sub>, and reflux continued 2-3 hrs. (method D). Alternatively, the solution after remaining 2 hrs. at room temperature was cooled to 10°, the III (0.02-0.03 mole) in 10 cc. CHCl<sub>3</sub> added, and the mixture left 1-2 days at room temperature (method E). The following method (F) gave good yields of I. The solution of rearranged IV, after 2 hrs. at room temperature was distilled at 40-5°/30 min., then stored 1-2 days with 0.02-0.03 mole III, and the products treated as previously described. I were crystallized as colorless needles from MeOH or alc. The following results were obtained (IV, R' in III, method, % yield, and m.p. of I given): PhMeC:NOH, Et, E, 65, 126°; (p-MeC<sub>6</sub>H<sub>4</sub>)MeC:NOH, Et, E, 65, 82°; (p-MeC<sub>6</sub>H<sub>4</sub>)MeC:NOH, Me, D, 65, 146°; 2-C<sub>10</sub>H<sub>7</sub>CMe:NOH, Et, F, 65, 130°; PhPrC:NOH, Et, E, 72, 106°; PhPrC:NOH, Me, E, 35, 73°; (p-MeC<sub>6</sub>H<sub>4</sub>)<sub>2</sub>C:NOH, Me, F, 73, 128°; (p-MeC<sub>6</sub>H<sub>4</sub>)<sub>2</sub>C:NOH, Et, F, 60, 140°; Ph<sub>2</sub>C:NOH, Et, D, 55, 157°. Improved yields of I were obtained by using excess II or III.

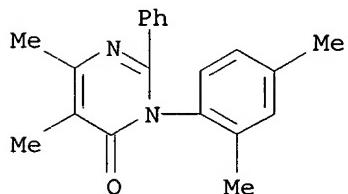
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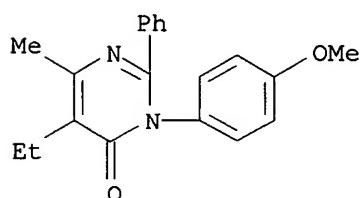
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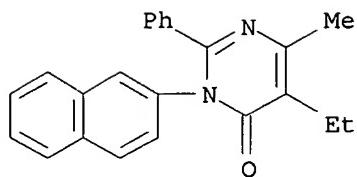
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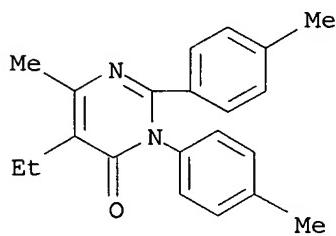
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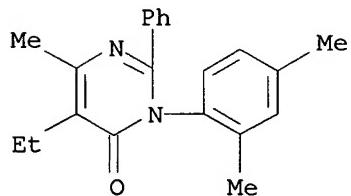
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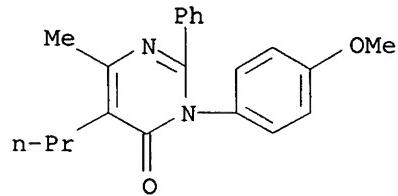
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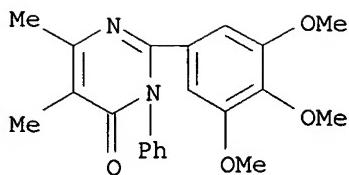
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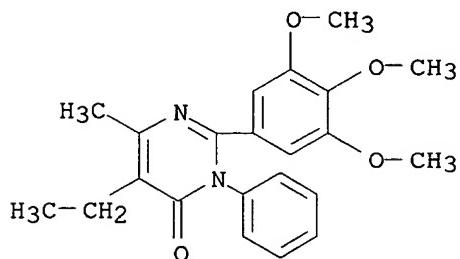
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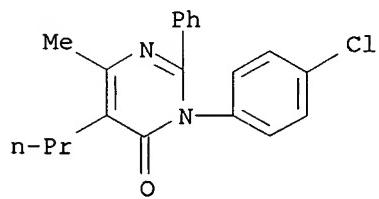
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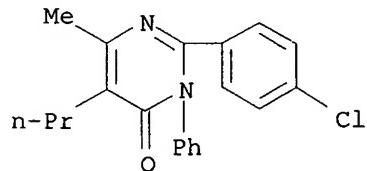
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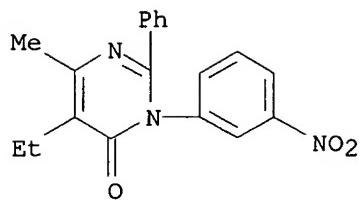
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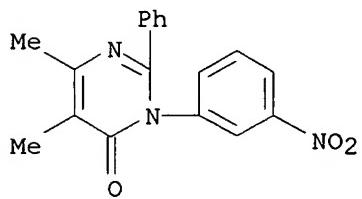
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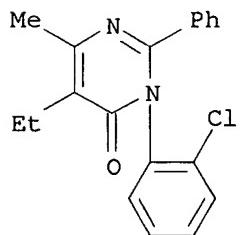
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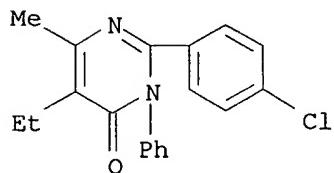
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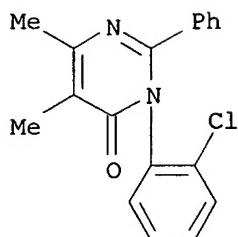
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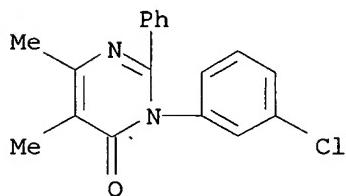
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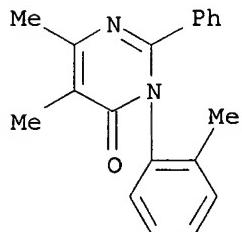
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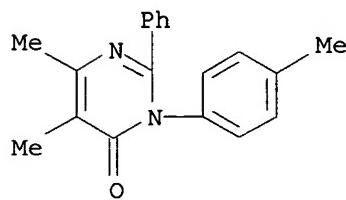
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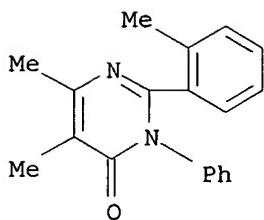
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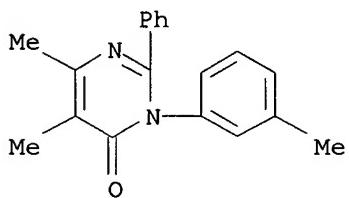
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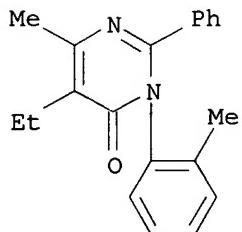
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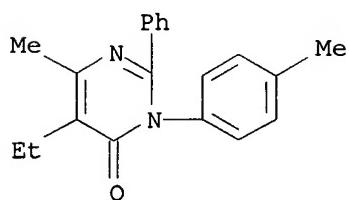
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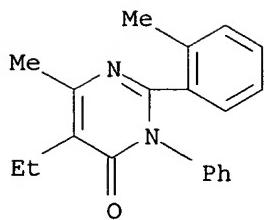
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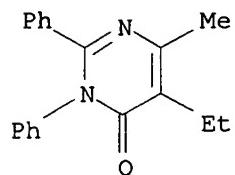
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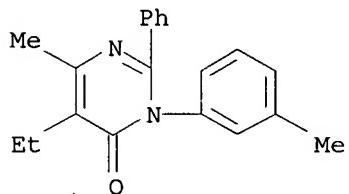
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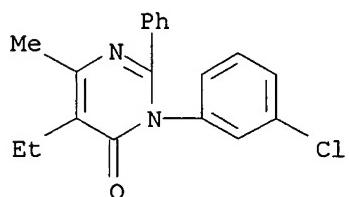
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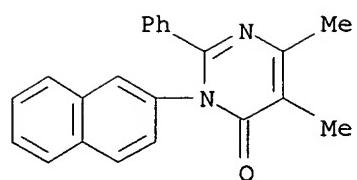
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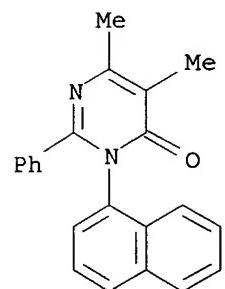
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RN 113381-16-1 CAPLUS  
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=> => d his

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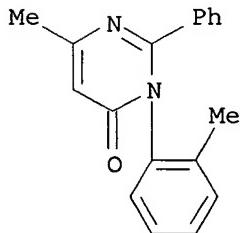
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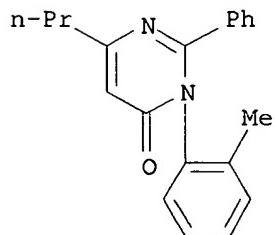
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 PA Farbwerke Hoechst A.-G.  
 DT Patent  
 TI 2,6-dialkyl-3-(o-tolyl)-3,4-dihydro-4-pyrimidones  
 AU Ruschig, Heinrich; Schmitt, K.; Ther, L.; Meixner, W.  
 DT Patent  
 PATENT NO. KIND DATE  
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 PI US 3185689 1965  
 GB 1014345  
 IT 2722-71-6 2722-72-7  
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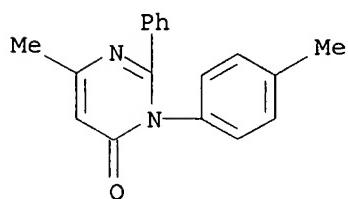
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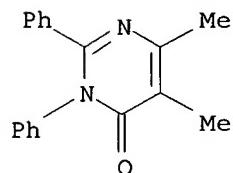


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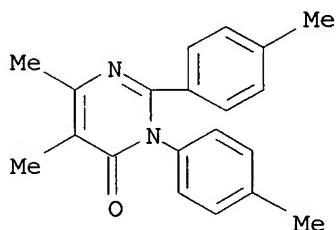
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PA Beiersdorf, P., & Co. A.-G.  
DT Patent  
PATENT NO. KIND DATE  
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PI BE 637891  
NL 298297  
IT 1925-00-4  
RN 1925-00-4 CAOLD  
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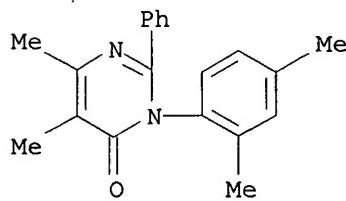
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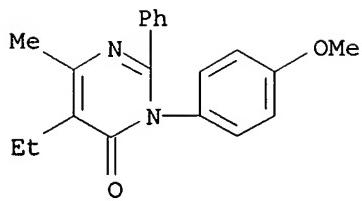
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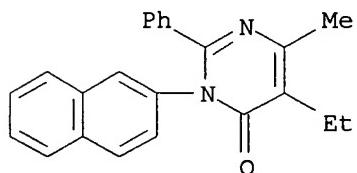
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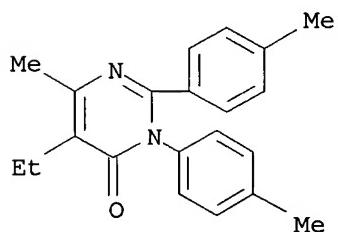
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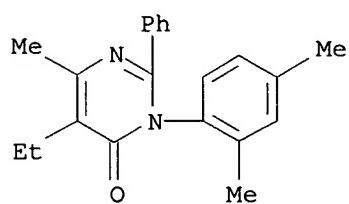
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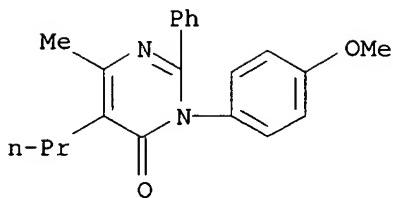
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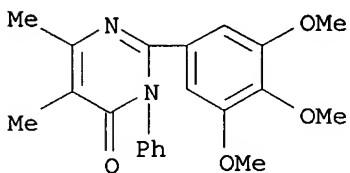
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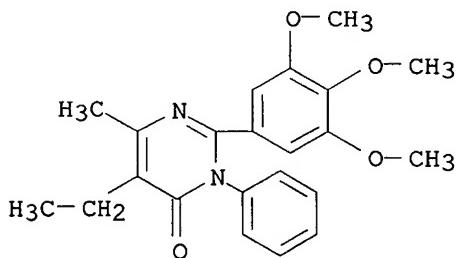
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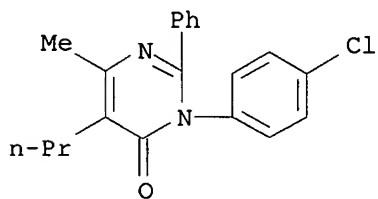
RN 102660-83-3 CAOLD  
 CN 4(3H)-Pyrimidinone, 5,6-dimethyl-3-phenyl-2-(3,4,5-trimethoxyphenyl)-(6CI) (CA INDEX NAME)



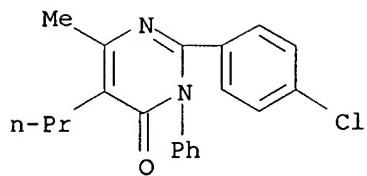
RN 102810-25-3 CAOLD  
 CN 4(3H)-Pyrimidinone, 5-ethyl-6-methyl-3-phenyl-2-(3,4,5-trimethoxyphenyl)-(6CI) (CA INDEX NAME)



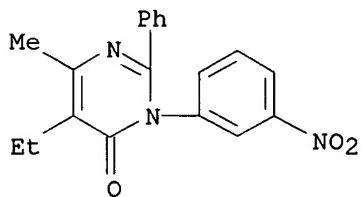
RN 103753-07-7 CAOLD  
 CN 4(3H)-Pyrimidinone, 3-(p-chlorophenyl)-6-methyl-2-phenyl-5-propyl- (6CI)  
 (CA INDEX NAME)



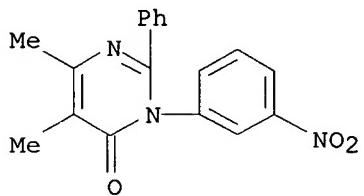
RN 103755-10-8 CAOLD  
 CN 4(3H)-Pyrimidinone, 2-(p-chlorophenyl)-6-methyl-3-phenyl-5-propyl- (6CI)  
 (CA INDEX NAME)



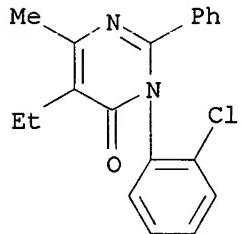
RN 108774-69-2 CAOLD  
 CN 4(3H)-Pyrimidinone, 5-ethyl-6-methyl-3-(m-nitrophenyl)-2-phenyl- (6CI)  
 (CA INDEX NAME)



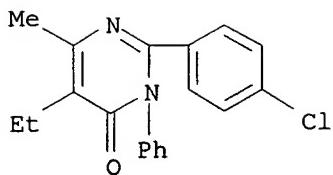
RN 108843-65-8 CAOLD  
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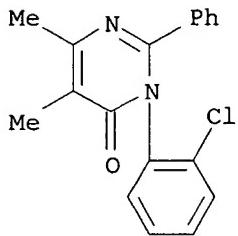
RN 109809-96-3 CAOLD  
 CN 4(3H)-Pyrimidinone, 3-(o-chlorophenyl)-5-ethyl-6-methyl-2-phenyl- (6CI)  
 (CA INDEX NAME)



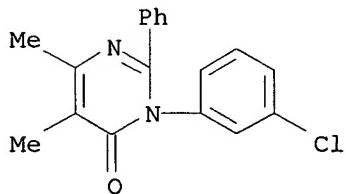
RN 109809-97-4 CAOLD  
 CN 4(3H)-Pyrimidinone, 2-(p-chlorophenyl)-5-ethyl-6-methyl-3-phenyl- (6CI)  
 (CA INDEX NAME)



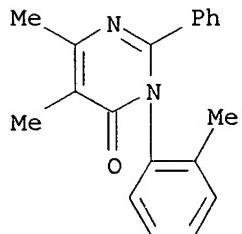
RN 109810-48-2 CAOLD  
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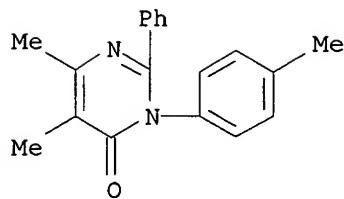
RN 109812-35-3 CAOLD  
 CN 4(3H)-Pyrimidinone, 3-(m-chlorophenyl)-5,6-dimethyl-2-phenyl- (6CI) (CA INDEX NAME)



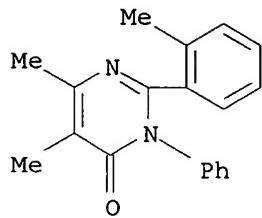
RN 110144-92-8 CAOLD  
 CN 4(3H)-Pyrimidinone, 5,6-dimethyl-2-phenyl-3-o-tolyl- (6CI) (CA INDEX NAME)



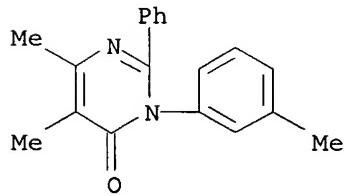
RN 110144-93-9 CAOLD  
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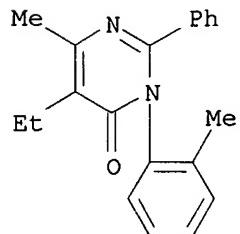
RN 110144-94-0 CAOLD  
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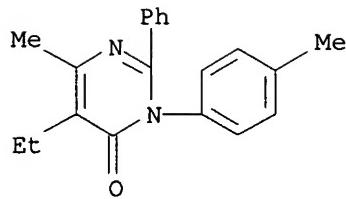
RN 110146-08-2 CAOLD  
 CN 4(3H)-Pyrimidinone, 5,6-dimethyl-2-phenyl-3-m-tolyl- (6CI) (CA INDEX NAME)



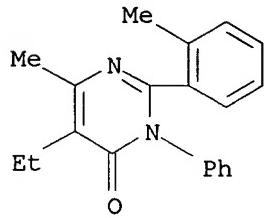
RN 110244-32-1 CAOLD  
 CN 4(3H)-Pyrimidinone, 5-ethyl-6-methyl-2-phenyl-3-o-tolyl- (6CI) (CA INDEX NAME)



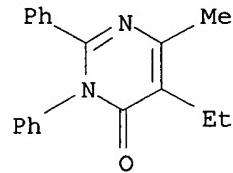
RN 110244-33-2 CAOLD  
 CN 4(3H)-Pyrimidinone, 5-ethyl-6-methyl-2-phenyl-3-p-tolyl- (6CI) (CA INDEX NAME)



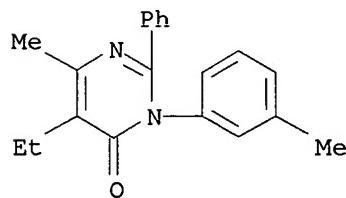
RN 110244-34-3 CAOLD  
 CN 4 (3H)-Pyrimidinone, 5-ethyl-6-methyl-3-phenyl-2-o-tolyl- (6CI) (CA INDEX NAME)

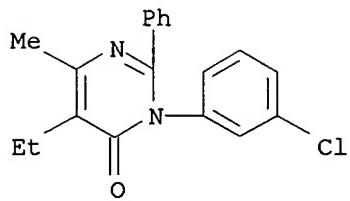


RN 110462-12-9 CAOLD  
 CN 4 (3H)-Pyrimidinone, 5-ethyl-6-methyl-2,3-diphenyl- (6CI) (CA INDEX NAME)

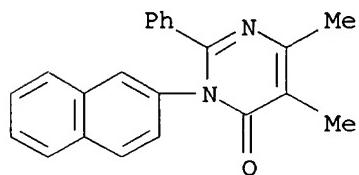


RN 112624-62-1 CAOLD  
 CN 4 (3H)-Pyrimidinone, 5-ethyl-6-methyl-2-phenyl-3-m-tolyl- (6CI) (CA INDEX NAME)

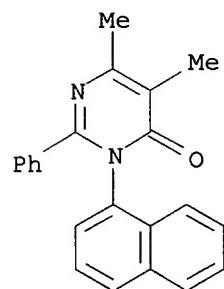




RN 113380-91-9 CAOLD  
 CN 4(3H)-Pyrimidinone, 5,6-dimethyl-3-(2-naphthyl)-2-phenyl- (6CI) (CA INDEX NAME)



RN 113381-16-1 CAOLD  
 CN 4(3H)-Pyrimidinone, 5,6-dimethyl-3-(1-naphthyl)-2-phenyl- (6CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
FULL ESTIMATED COST	ENTRY	SESSION	
	9.23	521.45	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
CA SUBSCRIBER PRICE	ENTRY	SESSION	
	0.00	-50.25	

STN INTERNATIONAL LOGOFF AT 15:27:36 ON 04 SEP 2006